

file



**Environmental
Operations, Inc.**
CLEARING THE WAY

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JAN 15 2014

AWMD/WRAP-MIRP

January 14, 2014

Mr. Michael Dandurand
U.S. Environmental Protection Agency, Region 7
11201 Renner Boulevard
Mail Code: AWMDWRAP
Lenexa, KS 66219

RE: PCB Removal
Solutia – John F. Queeny Plant
St. Louis, Missouri
EPA ID No. MOD 004 954 111

RCRA



528433

Dear Mr. Dandurand:

Original work for the excavation and disposal of PCBs in the VV Building Area was approved as part of the Interim Measures Work Plan for the referenced site. The work plan was approved on March 11, 2009 by Ms. Stephanie Doolan. The original PCB excavation and disposal was conducted in between November 2010 and January 2011. The excavation work terminated upon obtaining wall and floor confirmation samples indicating the 100 ppm goal had been achieved. Material with greater than 100 parts per million (ppm) was disposed at Heritage's Roachdale facility.

Subsequent delineation per the approved plan to identify areas below 100 but above 10 ppm for purposes of a restrictive covenant indicated areas which had PCBs above the 100 ppm goal. Furthermore, the impacted areas were typically overlain by four feet of material which was below 100 ppm. Attached are a draft figure, a summary analytical table, and the analytical data from that delineation to assist your review. The nomenclature on the sample identification (i.e. IMWP-VV-SP-02-5ft) is based upon task, area of concern, soil probe location, and depth. In this example, it is from location 2 at a depth of 5 feet.

We would like to modify the original plan to reflect the presence of material which would not have to be removed and disposed, but would need to be excavated for the purpose of accessing the material which does require offsite disposal. We propose removing and stockpiling soil from up to one foot above the depth at which prior testing indicated soil with greater than 100 ppm PCB was found. We would place the material in 20-yard piles on plastic. Three aliquots from each 20-yard pile would be combined to yield one sample for analytical testing to confirm prior results and appropriateness of placement back in the hole upon completion. If results are greater than 100 ppm, that stockpile would be identified as requiring disposal offsite in a permitted facility. Otherwise, the material would be placed in the excavation first during backfill activities, with clean fill placed over it. Typical thickness of clean fill placed over this material will vary, but will likely be a minimum of four feet, as the typical excavation of material for disposal occurs below four feet and extends to eight or nine feet below grade. As previously communicated, we anticipate between 100 and 200 yards may require offsite disposal.

Environmental Consulting & Remediation, Demolition, & Geotechnical Engineering

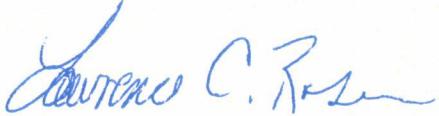
1530 South Second Street • Saint Louis, Missouri 63104-4500 • 314-241-0900

www.environmentalops.com

Mr. Michael Dandurand
January 14, 2014

We look forward to obtaining your approval for this modification so that we can complete this task. If there are questions or concerns, please contact me by phone at (314) 480-4694, or via email at larryr@environmentalops.com.

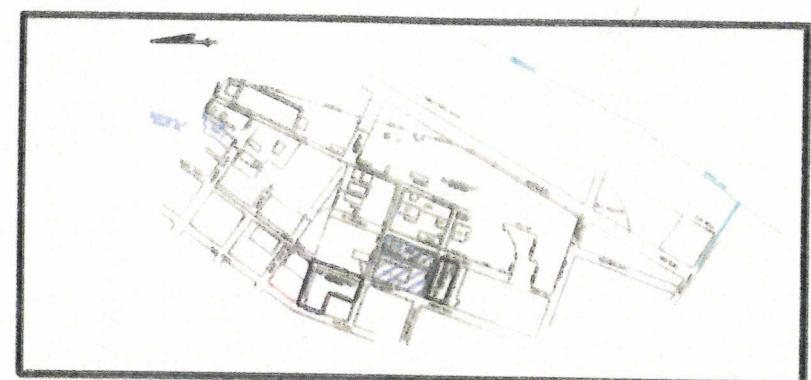
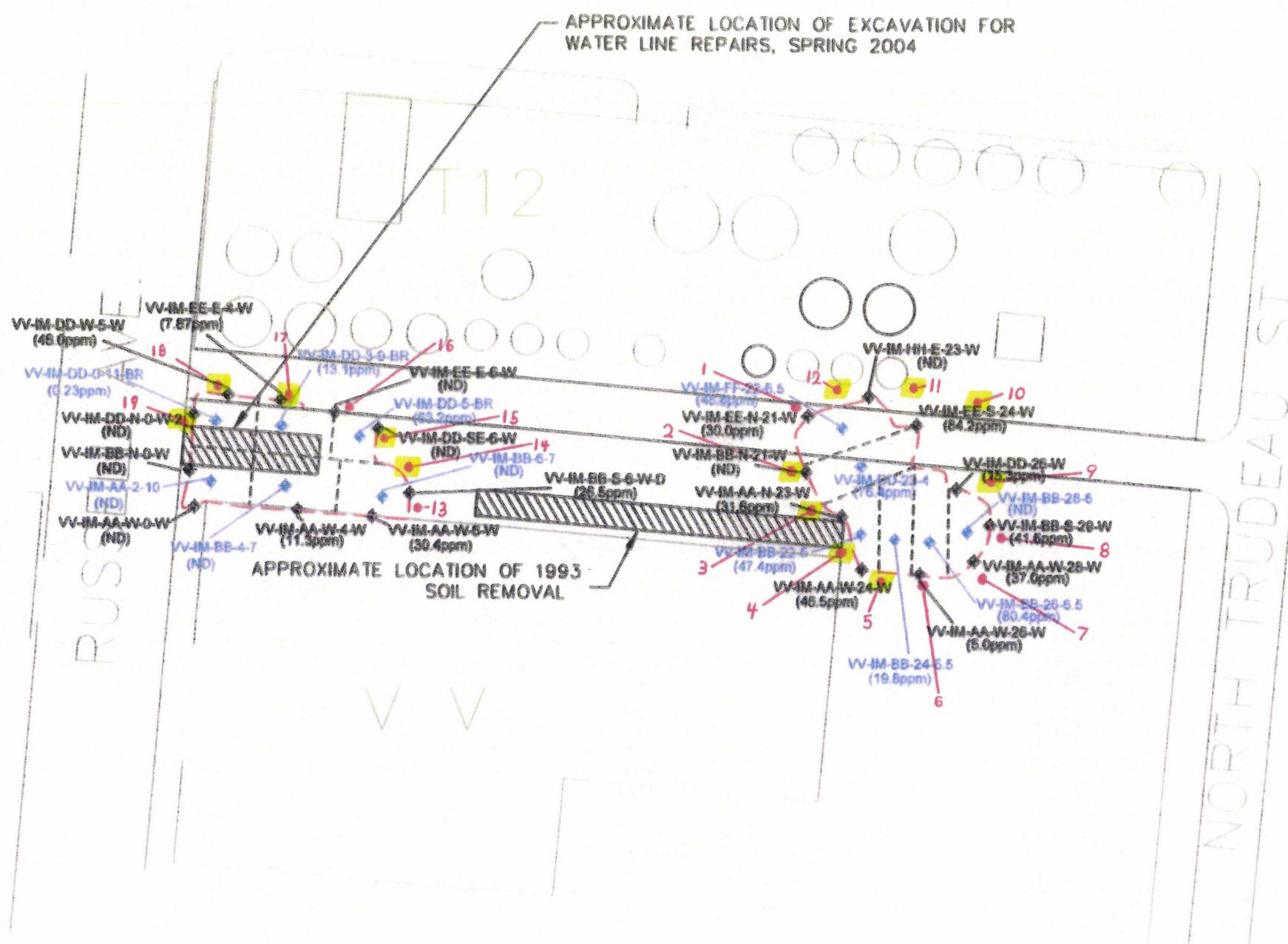
Respectfully submitted,
ENVIRONMENTAL OPERATIONS, INC.



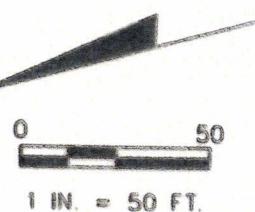
Lawrence C. Rosen, R.G.
Senior Project Manager

Attachments: Location Plan
Table - Summary Analytical Results
Laboratory Report

Copy: Mr. Bruce Morrison
Ms. Christine Kump-Mitchell/MDNR
Mr. Rich Nussbaum/ MDNR
Mr. Michael House/Solutia



KEY MAP



1 IN. = 50 FT.

Sample Locations and Excavation Areas
VV Building Area (DRAFT)
 Former Solutia Queeny Plant
 Saint Louis, Missouri

Summary PCB Delineation Analytical Results - VV Building Area
Solutia Queeny Site

Location/ID	IMWP-VV-SP-01	Total Arochlor (mg/Kg)	Location/ID	IMWP-VV-SP-11	Total Arochlor (mg/Kg)
Depth (ft.)			Depth (ft.)		
	1	0.354		1	0.1388
	5	82.19		4.5	3820
	9	22.892		8	1333
				8(duplicate)	5070
Location/ID	IMWP-VV-SP-02	Total Arochlor (mg/Kg)	Location/ID	IMWP-VV-SP-12	Total Arochlor (mg/Kg)
Depth (ft.)			Depth (ft.)		
	1.5	0.2593		1.5	58.93
	5	140.19		4	95.57
	9.5	12.823		8	744
Location/ID	IMWP-VV-SP-03	Total Arochlor (mg/Kg)	Location/ID	IMWP-VV-SP-13	Total Arochlor (mg/Kg)
Depth (ft.)			Depth (ft.)		
	1	7.024		1.5	0.0967
	4.5	4.455		4.5	1.945
	8.5	626		9	25.98
Location/ID	IMWP-VV-SP-04	Total Arochlor (mg/Kg)	Location/ID	IMWP-VV-SP-14	Total Arochlor (mg/Kg)
Depth (ft.)			Depth (ft.)		
	1.5	29.37		1	23.37
	4.5	103.97		5	59.1
	8	98.9		10	259.2
Location/ID	IMWP-VV-SP-05	Total Arochlor (mg/Kg)	Location/ID	IMWP-VV-SP-15	Total Arochlor (mg/Kg)
Depth (ft.)			Depth (ft.)		
	1.5	13.79		1.5	0.122
	4	237.42		4.5	7.5937
	5.5	22.265		9	257.57
Location/ID	IMWP-VV-SP-06	Total Arochlor (mg/Kg)	Location/ID	IMWP-VV-SP-16	Total Arochlor (mg/Kg)
Depth (ft.)			Depth (ft.)		
	1	0.1851		1	ND
	4	0.841		1(duplicate)	0.0306
	6.5	57.78		5	0.1058
				10	ND
Location/ID	IMWP-VV-SP-07	Total Arochlor (mg/Kg)	Location/ID	IMWP-VV-SP-17	Total Arochlor (mg/Kg)
Depth (ft.)			Depth (ft.)		
	1.5	3.337		1.5	ND
	4	0.1918		5	0.031
	7	ND		10	459.8
Location/ID	IMWP-VV-SP-08	Total Arochlor (mg/Kg)	Location/ID	IMWP-VV-SP-18	Total Arochlor (mg/Kg)
Depth (ft.)			Depth (ft.)		
	1.5	0.5689		1	0.6225
	4	0.1749		5	1504.8
	7	72		10	1987.2
Location/ID	IMWP-VV-SP-09	Total Arochlor (mg/Kg)	Location/ID	IMWP-VV-SP-19	Total Arochlor (mg/Kg)
Depth (ft.)			Depth (ft.)		
	1	10.52		1	5.45
	4	37.21		4.5	0.308
	7.5	12.76		9.5	540.8
	7.5(duplicate)	188.4		9.5(duplicate)	467.7
Location/ID	IMWP-VV-SP-10	Total Arochlor (mg/Kg)			
Depth (ft.)					
	1	10.59			
	5	232.4			
	9	2868			
	9(duplicate)	83.7			

February 01, 2013

Larry Rosen
Environmental Operations, Inc.
1530 South Second Street, Suite 200
St. Louis, MO 63104
TEL: (314) 480-4694
FAX: (314) 436-2900



RE: Solutia 2950

WorkOrder: 13011093

Dear Larry Rosen:

TEKLAB, INC received 63 samples on 1/24/2013 4:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Michael L. Austin
Project Manager
(618)344-1004 ex 16
MAustin@teklabinc.com



Definitions

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Abbr Definition

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.

DNI Did not ignite

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MB Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TNTC Too numerous to count (> 200 CFU)

Qualifiers

- Unknown hydrocarbon

B - Analyte detected in associated Method Blank

E - Value above quantitation range

H - Holding times exceeded

J - Analyte detected below quantitation limits

M - Manual Integration used to determine area response

ND - Not Detected at the Reporting Limit

R - RPD outside accepted recovery limits

S - Spike Recovery outside recovery limits

X - Value exceeds Maximum Contaminant Level



Case Narrative

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Client Project: Solutia 2950

Work Order: 13011093

Report Date: 01-Feb-13

Cooler Receipt Temp: 1.4 °C

Locations and Accreditations

Collinsville		Springfield		Kansas City	
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	Address	3920 Pintail Dr Springfield, IL 62711-9415	Address	8421 Nieman Road Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2014	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2014	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2013	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2013	Springfield
Texas	TCEQ	T104704515-12-1	NELAP	7/31/2013	Collinsville
Arkansas	ADEQ	88-0966		3/14/2013	Collinsville
Illinois	IDPH	17584		4/30/2013	Collinsville
Kentucky	UST	0073		5/26/2013	Collinsville
Missouri	MDNR	00930		4/13/2013	Collinsville
Oklahoma	ODEQ	9978		8/31/2013	Collinsville



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-001

Client Sample ID: IMWP-VV-SP-01-1 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		12.6	%	1	01/25/2013 15:36	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0428		ND	mg/Kg-dry	1	01/28/2013 10:48	85215
Aroclor 1221	NELAP	0.0428		ND	mg/Kg-dry	1	01/28/2013 10:48	85215
Aroclor 1232	NELAP	0.0428		ND	mg/Kg-dry	1	01/28/2013 10:48	85215
Aroclor 1242	NELAP	0.0428		ND	mg/Kg-dry	1	01/28/2013 10:48	85215
Aroclor 1248	NELAP	0.0428		0.329	mg/Kg-dry	1	01/28/2013 10:48	85215
Aroclor 1254	NELAP	0.0428		ND	mg/Kg-dry	1	01/28/2013 10:48	85215
Aroclor 1260	NELAP	0.0428	J	0.025	mg/Kg-dry	1	01/28/2013 10:48	85215
Surr: Decachlorobiphenyl		5-156		97.4	%REC	1	01/28/2013 10:48	85215
Surr: Tetrachloro-meta-xylene		7.35-123		54.7	%REC	1	01/28/2013 10:48	85215



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-002

Client Sample ID: IMWP-VV-SP-01-5 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		18.0	%	1	01/25/2013 15:36	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0457		ND	mg/Kg-dry	1	01/28/2013 11:06	85215
Aroclor 1221	NELAP	0.0457		ND	mg/Kg-dry	1	01/28/2013 11:06	85215
Aroclor 1232	NELAP	0.0457		ND	mg/Kg-dry	1	01/28/2013 11:06	85215
Aroclor 1242	NELAP	0.0457		ND	mg/Kg-dry	1	01/28/2013 11:06	85215
Aroclor 1248	NELAP	11.4		80.6	mg/Kg-dry	250	01/29/2013 18:06	85215
Aroclor 1254	NELAP	0.0457		ND	mg/Kg-dry	1	01/28/2013 11:06	85215
Aroclor 1260	NELAP	0.457		1.59	mg/Kg-dry	10	01/29/2013 17:49	85215
Surr: Decachlorobiphenyl		5-156		94.1	%REC	1	01/28/2013 11:06	85215
Surr: Tetrachloro-meta-xylene		7.35-123		74.2	%REC	1	01/28/2013 11:06	85215



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-003

Client Sample ID: IMWP-VV-SP-01-9 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		17.7	%	1	01/25/2013 15:37	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0454		ND	mg/Kg-dry	1	01/28/2013 11:23	85215
Aroclor 1221	NELAP	0.0454		ND	mg/Kg-dry	1	01/28/2013 11:23	85215
Aroclor 1232	NELAP	0.0454		ND	mg/Kg-dry	1	01/28/2013 11:23	85215
Aroclor 1242	NELAP	0.0454		ND	mg/Kg-dry	1	01/28/2013 11:23	85215
Aroclor 1248	NELAP	2.27		22.5	mg/Kg-dry	50	01/29/2013 18:23	85215
Aroclor 1254	NELAP	0.0454		ND	mg/Kg-dry	1	01/28/2013 11:23	85215
Aroclor 1260	NELAP	0.0454		0.392	mg/Kg-dry	1	01/28/2013 11:23	85215
Surr: Decachlorobiphenyl		5-156		100.7	%REC	1	01/28/2013 11:23	85215
Surr: Tetrachloro-meta-xylene		7.35-123		68.7	%REC	1	01/28/2013 11:23	85215



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-004

Client Sample ID: IMWP-VV-SP-02-1.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		13.9	%	1	01/25/2013 15:37	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0435		ND	mg/Kg-dry	1	01/28/2013 11:40	85215
Aroclor 1221	NELAP	0.0435		ND	mg/Kg-dry	1	01/28/2013 11:40	85215
Aroclor 1232	NELAP	0.0435		ND	mg/Kg-dry	1	01/28/2013 11:40	85215
Aroclor 1242	NELAP	0.0435		ND	mg/Kg-dry	1	01/28/2013 11:40	85215
Aroclor 1248	NELAP	0.0435		0.142	mg/Kg-dry	1	01/28/2013 11:40	85215
Aroclor 1254	NELAP	0.0435		0.0825	mg/Kg-dry	1	01/28/2013 11:40	85215
Aroclor 1260	NELAP	0.0435	J	0.0348	mg/Kg-dry	1	01/28/2013 11:40	85215
Surr: Decachlorobiphenyl		5-156		93.3	%REC	1	01/28/2013 11:40	85215
Surr: Tetrachloro-meta-xylene		7.35-123		71.4	%REC	1	01/28/2013 11:40	85215

Laboratory Results

<http://www.teklabinc.com/>
Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-005

Client Sample ID: IMWP-VV-SP-02-5 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		18.8	%	1	01/25/2013 15:37	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0461		ND	mg/Kg-dry	1	01/28/2013 11:57	85215
Aroclor 1221	NELAP	0.0461		ND	mg/Kg-dry	1	01/28/2013 11:57	85215
Aroclor 1232	NELAP	0.0461		ND	mg/Kg-dry	1	01/28/2013 11:57	85215
Aroclor 1242	NELAP	11.5		139	mg/Kg-dry	250	01/29/2013 18:58	85215
Aroclor 1248	NELAP	0.0461		ND	mg/Kg-dry	1	01/28/2013 11:57	85215
Aroclor 1254	NELAP	0.0461		ND	mg/Kg-dry	1	01/28/2013 11:57	85215
Aroclor 1260	NELAP	0.461		1.19	mg/Kg-dry	10	01/29/2013 18:40	85215
Surr: Decachlorobiphenyl		5-156		90.5	%REC	1	01/28/2013 11:57	85215
Surr: Tetrachloro-meta-xylene		7.35-123		61.7	%REC	1	01/28/2013 11:57	85215



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-006

Client Sample ID: IMWP-VV-SP-02-9.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		14.0	%	1	01/25/2013 15:37	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0437		ND	mg/Kg-dry	1	01/28/2013 12:14	85215
Aroclor 1221	NELAP	0.0437		ND	mg/Kg-dry	1	01/28/2013 12:14	85215
Aroclor 1232	NELAP	0.0437		ND	mg/Kg-dry	1	01/28/2013 12:14	85215
Aroclor 1242	NELAP	2.18		12.6	mg/Kg-dry	50	01/29/2013 19:15	85215
Aroclor 1248	NELAP	0.0437		ND	mg/Kg-dry	1	01/28/2013 12:14	85215
Aroclor 1254	NELAP	0.0437		ND	mg/Kg-dry	1	01/28/2013 12:14	85215
Aroclor 1260	NELAP	0.0437		0.223	mg/Kg-dry	1	01/28/2013 12:14	85215
Surr: Decachlorobiphenyl		5-156		96.0	%REC	1	01/28/2013 12:14	85215
Surr: Tetrachloro-meta-xylene		7.35-123		66.0	%REC	1	01/28/2013 12:14	85215



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-007

Client Sample ID: IMWP-VV-SP-03-1 ft

Matrix: SOLID

Collection Date: 01/23/2013 8:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		16.2	%	1	01/25/2013 15:37	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0445		ND	mg/Kg-dry	1	01/28/2013 12:31	85215
Aroclor 1221	NELAP	0.0445		ND	mg/Kg-dry	1	01/28/2013 12:31	85215
Aroclor 1232	NELAP	0.0445		ND	mg/Kg-dry	1	01/28/2013 12:31	85215
Aroclor 1242	NELAP	0.0445		ND	mg/Kg-dry	1	01/28/2013 12:31	85215
Aroclor 1248	NELAP	0.445		4.41	mg/Kg-dry	10	01/29/2013 19:32	85215
Aroclor 1254	NELAP	0.445		2.16	mg/Kg-dry	10	01/29/2013 19:32	85215
Aroclor 1260	NELAP	0.0445		0.454	mg/Kg-dry	1	01/28/2013 12:31	85215
Surr: Decachlorobiphenyl		5-156		102.0	%REC	1	01/28/2013 12:31	85215
Surr: Tetrachloro-meta-xylene		7.35-123		77.9	%REC	1	01/28/2013 12:31	85215



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-008

Client Sample ID: IMWP-VV-SP-03-4.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 8:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		17.8	%	1	01/25/2013 15:37	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0455		ND	mg/Kg-dry	1	01/28/2013 12:49	85215
Aroclor 1221	NELAP	0.0455		ND	mg/Kg-dry	1	01/28/2013 12:49	85215
Aroclor 1232	NELAP	0.0455		ND	mg/Kg-dry	1	01/28/2013 12:49	85215
Aroclor 1242	NELAP	0.455		3.42	mg/Kg-dry	10	01/29/2013 19:49	85215
Aroclor 1248	NELAP	0.0455		ND	mg/Kg-dry	1	01/28/2013 12:49	85215
Aroclor 1254	NELAP	0.455		0.887	mg/Kg-dry	10	01/29/2013 19:49	85215
Aroclor 1260	NELAP	0.0455		0.148	mg/Kg-dry	1	01/28/2013 12:49	85215
Surr: Decachlorobiphenyl		5-156		74.6	%REC	1	01/28/2013 12:49	85215
Surr: Tetrachloro-meta-xylene		7.35-123		55.0	%REC	1	01/28/2013 12:49	85215



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-009

Client Sample ID: IMWP-VV-SP-03-8.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 8:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		19.6	%	1	01/25/2013 15:38	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	46.7		ND	mg/Kg-dry	1000	01/29/2013 20:23	85215
Aroclor 1221	NELAP	46.7		ND	mg/Kg-dry	1000	01/29/2013 20:23	85215
Aroclor 1232	NELAP	46.7		ND	mg/Kg-dry	1000	01/29/2013 20:23	85215
Aroclor 1242	NELAP	46.7		508	mg/Kg-dry	1000	01/29/2013 20:23	85215
Aroclor 1248	NELAP	46.7		ND	mg/Kg-dry	1000	01/29/2013 20:23	85215
Aroclor 1254	NELAP	46.7		118	mg/Kg-dry	1000	01/29/2013 20:23	85215
Aroclor 1260	NELAP	46.7		ND	mg/Kg-dry	1000	01/29/2013 20:23	85215
Surr: Decachlorobiphenyl		5-156		8.3	%REC	1	01/28/2013 13:06	85215
Surr: Tetrachloro-meta-xylene		7.35-123		68.5	%REC	1	01/28/2013 13:06	85215

Elevated reporting limit due to high levels of target analytes.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-010

Client Sample ID: IMWP-VV-SP-04-1.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		15.0	%	1	01/25/2013 15:38	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.044		ND	mg/Kg-dry	1	01/28/2013 13:23	85215
Aroclor 1221	NELAP	0.044		ND	mg/Kg-dry	1	01/28/2013 13:23	85215
Aroclor 1232	NELAP	0.044		ND	mg/Kg-dry	1	01/28/2013 13:23	85215
Aroclor 1242	NELAP	2.2		21.9	mg/Kg-dry	50	01/29/2013 20:58	85215
Aroclor 1248	NELAP	0.044		ND	mg/Kg-dry	1	01/28/2013 13:23	85215
Aroclor 1254	NELAP	0.44		5.67	mg/Kg-dry	10	01/29/2013 20:41	85215
Aroclor 1260	NELAP	0.44		1.8	mg/Kg-dry	10	01/29/2013 20:41	85215
Surr: Decachlorobiphenyl		5-156		107.0	%REC	1	01/28/2013 13:23	85215
Surr: Tetrachloro-meta-xylene		7.35-123		91.9	%REC	1	01/28/2013 13:23	85215



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-011

Client Sample ID: IMWP-VV-SP-04-4.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		18.1	%	1	01/25/2013 15:38	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0456		ND	mg/Kg-dry	1	01/28/2013 13:40	85215
Aroclor 1221	NELAP	0.0456		ND	mg/Kg-dry	1	01/28/2013 13:40	85215
Aroclor 1232	NELAP	0.0456		ND	mg/Kg-dry	1	01/28/2013 13:40	85215
Aroclor 1242	NELAP	11.4		83.4	mg/Kg-dry	250	01/29/2013 21:32	85215
Aroclor 1248	NELAP	0.0456		ND	mg/Kg-dry	1	01/28/2013 13:40	85215
Aroclor 1254	NELAP	1.14		14.6	mg/Kg-dry	25	01/29/2013 21:15	85215
Aroclor 1260	NELAP	1.14		5.97	mg/Kg-dry	25	01/29/2013 21:15	85215
Surr: Decachlorobiphenyl		5-156		87.0	%REC	1	01/28/2013 13:40	85215
Surr: Tetrachloro-meta-xylene		7.35-123		57.3	%REC	1	01/28/2013 13:40	85215



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-012

Client Sample ID: IMWP-VV-SP-04-8 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		18.0	%	1	01/25/2013 15:38	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0456		ND	mg/Kg-dry	1	01/28/2013 13:57	85215
Aroclor 1221	NELAP	0.0456		ND	mg/Kg-dry	1	01/28/2013 13:57	85215
Aroclor 1232	NELAP	0.0456		ND	mg/Kg-dry	1	01/28/2013 13:57	85215
Aroclor 1242	NELAP	11.4		70.9	mg/Kg-dry	250	01/29/2013 22:07	85215
Aroclor 1248	NELAP	0.0456		ND	mg/Kg-dry	1	01/28/2013 13:57	85215
Aroclor 1254	NELAP	11.4		23.9	mg/Kg-dry	250	01/29/2013 22:07	85215
Aroclor 1260	NELAP	0.456		4.1	mg/Kg-dry	10	01/29/2013 21:49	85215
Surr: Decachlorobiphenyl		5-156		118.8	%REC	1	01/28/2013 13:57	85215
Surr: Tetrachloro-meta-xylene		7.35-123		74.6	%REC	1	01/28/2013 13:57	85215



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-013

Client Sample ID: IMWP-VV-SP-05-1.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		7.1	%	1	01/25/2013 15:38	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.04		ND	mg/Kg-dry	1	01/28/2013 14:14	85215
Aroclor 1221	NELAP	0.04		ND	mg/Kg-dry	1	01/28/2013 14:14	85215
Aroclor 1232	NELAP	0.04		ND	mg/Kg-dry	1	01/28/2013 14:14	85215
Aroclor 1242	NELAP	0.04		ND	mg/Kg-dry	1	01/28/2013 14:14	85215
Aroclor 1248	NELAP	1		6.69	mg/Kg-dry	25	01/29/2013 22:24	85215
Aroclor 1254	NELAP	1		4.71	mg/Kg-dry	25	01/29/2013 22:24	85215
Aroclor 1260	NELAP	1		2.39	mg/Kg-dry	25	01/29/2013 22:24	85215
Surr: Decachlorobiphenyl		5-156		74.1	%REC	1	01/28/2013 14:14	85215
Surr: Tetrachloro-meta-xylene		7.35-123		94.5	%REC	1	01/28/2013 14:14	85215



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-014

Client Sample ID: IMWP-VV-SP-05-4 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		14.4	%	1	01/25/2013 15:39	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0438		ND	mg/Kg-dry	1	01/28/2013 14:32	85215
Aroclor 1221	NELAP	0.0438		ND	mg/Kg-dry	1	01/28/2013 14:32	85215
Aroclor 1232	NELAP	0.0438		ND	mg/Kg-dry	1	01/28/2013 14:32	85215
Aroclor 1242	NELAP	43.8		234	mg/Kg-dry	1000	01/29/2013 22:58	85215
Aroclor 1248	NELAP	0.0438		ND	mg/Kg-dry	1	01/28/2013 14:32	85215
Aroclor 1254	NELAP	0.0438		ND	mg/Kg-dry	1	01/28/2013 14:32	85215
Aroclor 1260	NELAP	1.09		3.42	mg/Kg-dry	25	01/29/2013 22:41	85215
Surr: Decachlorobiphenyl		5-156		94.5	%REC	1	01/28/2013 14:32	85215
Surr: Tetrachloro-meta-xylene		7.35-123		100.5	%REC	1	01/28/2013 14:32	85215

Laboratory Results

<http://www.teklabinc.com/>
Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-015

Client Sample ID: IMWP-VV-SP-05-5.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		18.2	%	1	01/25/2013 15:39	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0459		ND	mg/Kg-dry	1	01/28/2013 14:49	85215
Aroclor 1221	NELAP	0.0459		ND	mg/Kg-dry	1	01/28/2013 14:49	85215
Aroclor 1232	NELAP	0.0459		ND	mg/Kg-dry	1	01/28/2013 14:49	85215
Aroclor 1242	NELAP	2.3		18	mg/Kg-dry	50	01/29/2013 23:32	85215
Aroclor 1248	NELAP	0.0459		ND	mg/Kg-dry	1	01/28/2013 14:49	85215
Aroclor 1254	NELAP	0.459		3.55	mg/Kg-dry	10	01/29/2013 23:15	85215
Aroclor 1260	NELAP	0.459		0.715	mg/Kg-dry	10	01/29/2013 23:15	85215
Surr: Decachlorobiphenyl		5-156		33.3	%REC	1	01/28/2013 14:49	85215
Surr: Tetrachloro-meta-xylene		7.35-123		100.2	%REC	1	01/28/2013 14:49	85215



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-016

Client Sample ID: IMWP-VV-SP-06-1 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		13.4	%	1	01/25/2013 15:39	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0434		ND	mg/Kg-dry	1	01/28/2013 15:06	85215
Aroclor 1221	NELAP	0.0434		ND	mg/Kg-dry	1	01/28/2013 15:06	85215
Aroclor 1232	NELAP	0.0434		ND	mg/Kg-dry	1	01/28/2013 15:06	85215
Aroclor 1242	NELAP	0.0434		0.0551	mg/Kg-dry	1	01/28/2013 15:06	85215
Aroclor 1248	NELAP	0.0434		ND	mg/Kg-dry	1	01/28/2013 15:06	85215
Aroclor 1254	NELAP	0.0434		ND	mg/Kg-dry	1	01/28/2013 15:06	85215
Aroclor 1260	NELAP	0.0434		0.13	mg/Kg-dry	1	01/28/2013 15:06	85215
Surr: Decachlorobiphenyl		5-156		108.2	%REC	1	01/28/2013 15:06	85215
Surr: Tetrachloro-meta-xylene		7.35-123		97.8	%REC	1	01/28/2013 15:06	85215



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-017

Client Sample ID: IMWP-VV-SP-06-4 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		8.3	%	1	01/25/2013 15:39	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0409		ND	mg/Kg-dry	1	01/28/2013 15:23	85215
Aroclor 1221	NELAP	0.0409		ND	mg/Kg-dry	1	01/28/2013 15:23	85215
Aroclor 1232	NELAP	0.0409		ND	mg/Kg-dry	1	01/28/2013 15:23	85215
Aroclor 1242	NELAP	0.0409		ND	mg/Kg-dry	1	01/28/2013 15:23	85215
Aroclor 1248	NELAP	0.0409		0.292	mg/Kg-dry	1	01/28/2013 15:23	85215
Aroclor 1254	NELAP	0.0409		0.442	mg/Kg-dry	1	01/28/2013 15:23	85215
Aroclor 1260	NELAP	0.0409		0.107	mg/Kg-dry	1	01/28/2013 15:23	85215
Surr: Decachlorobiphenyl		5-156		102.2	%REC	1	01/28/2013 15:23	85215
Surr: Tetrachloro-meta-xylene		7.35-123		96.6	%REC	1	01/28/2013 15:23	85215



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-018

Client Sample ID: IMWP-VV-SP-06-6.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		15.6	%	1	01/25/2013 15:40	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0443		ND	mg/Kg-dry	1	01/28/2013 15:40	85215
Aroclor 1221	NELAP	0.0443		ND	mg/Kg-dry	1	01/28/2013 15:40	85215
Aroclor 1232	NELAP	0.0443		ND	mg/Kg-dry	1	01/28/2013 15:40	85215
Aroclor 1242	NELAP	4.43		49.2	mg/Kg-dry	100	01/30/2013 0:07	85215
Aroclor 1248	NELAP	0.0443		ND	mg/Kg-dry	1	01/28/2013 15:40	85215
Aroclor 1254	NELAP	1.11		8.58	mg/Kg-dry	25	01/29/2013 23:50	85215
Aroclor 1260	NELAP	0.0443		ND	mg/Kg-dry	1	01/28/2013 15:40	85215
Surr: Decachlorobiphenyl		5-156		98.0	%REC	1	01/28/2013 15:40	85215
Surr: Tetrachloro-meta-xylene		7.35-123		78.3	%REC	1	01/28/2013 15:40	85215



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-019

Client Sample ID: IMWP-VV-SP-07-1.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		5.6	%	1	01/25/2013 15:40	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0398		ND	mg/Kg-dry	1	01/28/2013 15:57	85215
Aroclor 1221	NELAP	0.0398		ND	mg/Kg-dry	1	01/28/2013 15:57	85215
Aroclor 1232	NELAP	0.0398		ND	mg/Kg-dry	1	01/28/2013 15:57	85215
Aroclor 1242	NELAP	0.0398		ND	mg/Kg-dry	1	01/28/2013 15:57	85215
Aroclor 1248	NELAP	0.199		0.717	mg/Kg-dry	5	01/30/2013 0:24	85215
Aroclor 1254	NELAP	0.199		1.62	mg/Kg-dry	5	01/30/2013 0:24	85215
Aroclor 1260	NELAP	0.199		1	mg/Kg-dry	5	01/30/2013 0:24	85215
Surr: Decachlorobiphenyl		5-156		90.1	%REC	1	01/28/2013 15:57	85215
Surr: Tetrachloro-meta-xylene		7.35-123		98.1	%REC	1	01/28/2013 15:57	85215



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-020

Client Sample ID: IMWP-VV-SP-07-4 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		12.7	%	1	01/25/2013 15:40	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.043		ND	mg/Kg-dry	1	01/29/2013 16:57	85215
Aroclor 1221	NELAP	0.043		ND	mg/Kg-dry	1	01/29/2013 16:57	85215
Aroclor 1232	NELAP	0.043		ND	mg/Kg-dry	1	01/29/2013 16:57	85215
Aroclor 1242	NELAP	0.043		0.0678	mg/Kg-dry	1	01/29/2013 16:57	85215
Aroclor 1248	NELAP	0.043		ND	mg/Kg-dry	1	01/29/2013 16:57	85215
Aroclor 1254	NELAP	0.043		ND	mg/Kg-dry	1	01/29/2013 16:57	85215
Aroclor 1260	NELAP	0.043		0.124	mg/Kg-dry	1	01/29/2013 16:57	85215
Surr: Decachlorobiphenyl		5-156		94.4	%REC	1	01/28/2013 16:14	85215
Surr: Tetrachloro-meta-xylene		7.35-123		74.2	%REC	1	01/28/2013 16:14	85215



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-021

Client Sample ID: IMWP-VV-SP-07-7 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		18.7	%	1	01/25/2013 17:11	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0462		ND	mg/Kg-dry	1	01/31/2013 0:28	85228
Aroclor 1221	NELAP	0.0462		ND	mg/Kg-dry	1	01/31/2013 0:28	85228
Aroclor 1232	NELAP	0.0462		ND	mg/Kg-dry	1	01/31/2013 0:28	85228
Aroclor 1242	NELAP	0.0462		ND	mg/Kg-dry	1	01/31/2013 0:28	85228
Aroclor 1248	NELAP	0.0462		ND	mg/Kg-dry	1	01/31/2013 0:28	85228
Aroclor 1254	NELAP	0.0462		ND	mg/Kg-dry	1	01/31/2013 0:28	85228
Aroclor 1260	NELAP	0.0462		ND	mg/Kg-dry	1	01/31/2013 0:28	85228
Surr: Decachlorobiphenyl		5-156		89.1	%REC	1	01/31/2013 0:28	85228
Surr: Tetrachloro-meta-xylene		7.35-123		60.3	%REC	1	01/31/2013 0:28	85228



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-022

Client Sample ID: IMWP-VV-SP-08-1.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		5.8	%	1	01/25/2013 17:11	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0395		ND	mg/Kg-dry	1	01/28/2013 19:23	85228
Aroclor 1221	NELAP	0.0395		ND	mg/Kg-dry	1	01/28/2013 19:23	85228
Aroclor 1232	NELAP	0.0395		ND	mg/Kg-dry	1	01/28/2013 19:23	85228
Aroclor 1242	NELAP	0.0395		0.386	mg/Kg-dry	1	01/28/2013 19:23	85228
Aroclor 1248	NELAP	0.0395		ND	mg/Kg-dry	1	01/28/2013 19:23	85228
Aroclor 1254	NELAP	0.0395		0.142	mg/Kg-dry	1	01/28/2013 19:23	85228
Aroclor 1260	NELAP	0.0395		0.0409	mg/Kg-dry	1	01/28/2013 19:23	85228
Surr: Decachlorobiphenyl		5-156		82.4	%REC	1	01/28/2013 19:23	85228
Surr: Tetrachloro-meta-xylene		7.35-123		87.6	%REC	1	01/28/2013 19:23	85228

Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-023

Client Sample ID: IMWP-VV-SP-08-4 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		13.0	%	1	01/25/2013 17:11	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0432		ND	mg/Kg-dry	1	01/28/2013 19:40	85228
Aroclor 1221	NELAP	0.0432		ND	mg/Kg-dry	1	01/28/2013 19:40	85228
Aroclor 1232	NELAP	0.0432		ND	mg/Kg-dry	1	01/28/2013 19:40	85228
Aroclor 1242	NELAP	0.0432		ND	mg/Kg-dry	1	01/28/2013 19:40	85228
Aroclor 1248	NELAP	0.0432		0.0716	mg/Kg-dry	1	01/28/2013 19:40	85228
Aroclor 1254	NELAP	0.0432		0.0615	mg/Kg-dry	1	01/28/2013 19:40	85228
Aroclor 1260	NELAP	0.0432	J	0.0418	mg/Kg-dry	1	01/28/2013 19:40	85228
Surr: Decachlorobiphenyl		5-156		98.2	%REC	1	01/28/2013 19:40	85228
Surr: Tetrachloro-meta-xylene		7.35-123		96.1	%REC	1	01/28/2013 19:40	85228



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-024

Client Sample ID: IMWP-VV-SP-08-7 ft

Matrix: SOLID

Collection Date: 01/23/2013 11:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		13.3	%	1	01/25/2013 17:11	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0431		ND	mg/Kg-dry	1	01/28/2013 19:57	85228
Aroclor 1221	NELAP	0.0431		ND	mg/Kg-dry	1	01/28/2013 19:57	85228
Aroclor 1232	NELAP	0.0431		ND	mg/Kg-dry	1	01/28/2013 19:57	85228
Aroclor 1242	NELAP	4.31		49.7	mg/Kg-dry	100	01/30/2013 2:24	85228
Aroclor 1248	NELAP	0.0431		ND	mg/Kg-dry	1	01/28/2013 19:57	85228
Aroclor 1254	NELAP	4.31		22.3	mg/Kg-dry	100	01/30/2013 2:24	85228
Aroclor 1260	NELAP	0.0431		ND	mg/Kg-dry	1	01/28/2013 19:57	85228
Surr: Decachlorobiphenyl		5-156		82.6	%REC	1	01/28/2013 19:57	85228
Surr: Tetrachloro-meta-xylene		7.35-123		75.9	%REC	1	01/28/2013 19:57	85228



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-025

Client Sample ID: IMWP-VV-SP-09-1 ft

Matrix: SOLID

Collection Date: 01/23/2013 13:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		14.4	%	1	01/25/2013 17:12	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0435		ND	mg/Kg-dry	1	01/28/2013 20:14	85228
Aroclor 1221	NELAP	0.0435		ND	mg/Kg-dry	1	01/28/2013 20:14	85228
Aroclor 1232	NELAP	0.0435		ND	mg/Kg-dry	1	01/28/2013 20:14	85228
Aroclor 1242	NELAP	0.0435		ND	mg/Kg-dry	1	01/28/2013 20:14	85228
Aroclor 1248	NELAP	1.09		5.31	mg/Kg-dry	25	01/30/2013 2:42	85228
Aroclor 1254	NELAP	1.09		3.83	mg/Kg-dry	25	01/30/2013 2:42	85228
Aroclor 1260	NELAP	1.09		1.38	mg/Kg-dry	25	01/31/2013 0:45	85228
Surr: Decachlorobiphenyl		5-156		81.1	%REC	1	01/28/2013 20:14	85228
Surr: Tetrachloro-meta-xylene		7.35-123		101.3	%REC	1	01/28/2013 20:14	85228



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-026

Client Sample ID: IMWP-VV-SP-09-4 ft

Matrix: SOLID

Collection Date: 01/23/2013 13:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		20.6	%	1	01/25/2013 17:12	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0471		ND	mg/Kg-dry	1	01/28/2013 20:32	85228
Aroclor 1221	NELAP	0.0471		ND	mg/Kg-dry	1	01/28/2013 20:32	85228
Aroclor 1232	NELAP	0.0471		ND	mg/Kg-dry	1	01/28/2013 20:32	85228
Aroclor 1242	NELAP	4.71		31	mg/Kg-dry	100	01/30/2013 3:16	85228
Aroclor 1248	NELAP	0.0471		ND	mg/Kg-dry	1	01/28/2013 20:32	85228
Aroclor 1254	NELAP	1.18		6.21	mg/Kg-dry	25	01/30/2013 2:59	85228
Aroclor 1260	NELAP	0.0471		ND	mg/Kg-dry	1	01/28/2013 20:32	85228
Surr: Decachlorobiphenyl		5-156		73.2	%REC	1	01/28/2013 20:32	85228
Surr: Tetrachloro-meta-xylene		7.35-123		81.3	%REC	1	01/28/2013 20:32	85228



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-027

Client Sample ID: IMWP-VV-SP-09-7.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 13:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		20.8	%	1	01/25/2013 17:12	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0472		ND	mg/Kg-dry	1	01/28/2013 20:49	85228
Aroclor 1221	NELAP	0.0472		ND	mg/Kg-dry	1	01/28/2013 20:49	85228
Aroclor 1232	NELAP	0.0472		ND	mg/Kg-dry	1	01/28/2013 20:49	85228
Aroclor 1242	NELAP	1.18		9.52	mg/Kg-dry	25	01/30/2013 3:33	85228
Aroclor 1248	NELAP	0.0472		ND	mg/Kg-dry	1	01/28/2013 20:49	85228
Aroclor 1254	NELAP	1.18		3.24	mg/Kg-dry	25	01/30/2013 3:33	85228
Aroclor 1260	NELAP	0.0472		ND	mg/Kg-dry	1	01/28/2013 20:49	85228
Surr: Decachlorobiphenyl		5-156		78.5	%REC	1	01/28/2013 20:49	85228
Surr: Tetrachloro-meta-xylene		7.35-123		67.7	%REC	1	01/28/2013 20:49	85228



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-028

Client Sample ID: IMWP-VV-SP-09-7.5 ft AD

Matrix: SOLID

Collection Date: 01/23/2013 12:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		21.6	%	1	01/25/2013 17:13	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0477		ND	mg/Kg-dry	1	01/28/2013 21:55	85228
Aroclor 1221	NELAP	0.0477		ND	mg/Kg-dry	1	01/28/2013 21:55	85228
Aroclor 1232	NELAP	0.0477		ND	mg/Kg-dry	1	01/28/2013 21:55	85228
Aroclor 1242	NELAP	23.8		127	mg/Kg-dry	500	01/30/2013 4:07	85228
Aroclor 1248	NELAP	0.0477		ND	mg/Kg-dry	1	01/28/2013 21:55	85228
Aroclor 1254	NELAP	23.8		61.4	mg/Kg-dry	500	01/30/2013 4:07	85228
Aroclor 1260	NELAP	0.0477		ND	mg/Kg-dry	1	01/28/2013 21:55	85228
Surr: Decachlorobiphenyl		5-156	S	0	%REC	1	01/28/2013 21:55	85228
Surr: Tetrachloro-meta-xylene		7.35-123		75.7	%REC	1	01/28/2013 21:55	85228

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.	Work Order: 13011093							
Client Project: Solutia 2950	Report Date: 01-Feb-13							
Lab ID: 13011093-029	Client Sample ID: IMWP-VV-SP-10-1 ft							
Matrix: SOLID	Collection Date: 01/23/2013 13:25							
Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		21.1	%	1	01/25/2013 17:13	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0474		ND	mg/Kg-dry	1	01/28/2013 22:12	85228
Aroclor 1221	NELAP	0.0474		ND	mg/Kg-dry	1	01/28/2013 22:12	85228
Aroclor 1232	NELAP	0.0474		ND	mg/Kg-dry	1	01/28/2013 22:12	85228
Aroclor 1242	NELAP	0.949		8.9	mg/Kg-dry	20	01/30/2013 4:24	85228
Aroclor 1248	NELAP	0.0474		ND	mg/Kg-dry	1	01/28/2013 22:12	85228
Aroclor 1254	NELAP	0.949		1.69	mg/Kg-dry	20	01/30/2013 4:24	85228
Aroclor 1260	NELAP	0.0474		ND	mg/Kg-dry	1	01/28/2013 22:12	85228
Surr: Decachlorobiphenyl	5-156	S		196.8	%REC	1	01/28/2013 22:12	85228
Surr: Tetrachloro-meta-xylene	7.35-123			62.1	%REC	1	01/28/2013 22:12	85228

Surrogate recovery is outside QC limits due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-030

Client Sample ID: IMWP-VV-SP-10-5 ft

Matrix: SOLID

Collection Date: 01/23/2013 13:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		18.6	%	1	01/25/2013 17:13	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.046		ND	mg/Kg-dry	1	01/28/2013 22:29	85228
Aroclor 1221	NELAP	0.046		ND	mg/Kg-dry	1	01/28/2013 22:29	85228
Aroclor 1232	NELAP	0.046		ND	mg/Kg-dry	1	01/28/2013 22:29	85228
Aroclor 1242	NELAP	46		191	mg/Kg-dry	1000	01/30/2013 4:59	85228
Aroclor 1248	NELAP	0.046		ND	mg/Kg-dry	1	01/28/2013 22:29	85228
Aroclor 1254	NELAP	11.5		41.4	mg/Kg-dry	250	01/30/2013 4:42	85228
Aroclor 1260	NELAP	0.046		ND	mg/Kg-dry	1	01/28/2013 22:29	85228
Surr: Decachlorobiphenyl		5-156	S	0	%REC	1	01/28/2013 22:29	85228
Surr: Tetrachloro-meta-xylene		7.35-123		82.3	%REC	1	01/28/2013 22:29	85228

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.	Work Order: 13011093							
Client Project: Solutia 2950	Report Date: 01-Feb-13							
Lab ID: 13011093-031	Client Sample ID: IMWP-VV-SP-10-9 ft							
Matrix: SOLID	Collection Date: 01/23/2013 13:35							
Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		14.8	%	1	01/25/2013 17:13	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	43.8		ND	mg/Kg-dry	1000	01/30/2013 5:16	85228
Aroclor 1221	NELAP	43.8		ND	mg/Kg-dry	1000	01/30/2013 5:16	85228
Aroclor 1232	NELAP	43.8		ND	mg/Kg-dry	1000	01/30/2013 5:16	85228
Aroclor 1242	NELAP	438		2460	mg/Kg-dry	10000	01/30/2013 5:33	85228
Aroclor 1248	NELAP	43.8		ND	mg/Kg-dry	1000	01/30/2013 5:16	85228
Aroclor 1254	NELAP	43.8		408	mg/Kg-dry	1000	01/30/2013 5:16	85228
Aroclor 1260	NELAP	43.8		ND	mg/Kg-dry	1000	01/30/2013 5:16	85228
Surr: Decachlorobiphenyl		5-156	S	0	%REC	1	01/28/2013 22:46	85228
Surr: Tetrachloro-meta-xylene		7.35-123		101.3	%REC	1	01/28/2013 22:46	85228

Elevated reporting limit due to high levels of target analytes.

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-032

Client Sample ID: IMWP-VV-SP-10-9 ft AD

Matrix: SOLID

Collection Date: 01/23/2013 12:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		26.5	%	1	01/25/2013 17:13	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0509		ND	mg/Kg-dry	1	01/28/2013 23:03	85228
Aroclor 1221	NELAP	0.0509		ND	mg/Kg-dry	1	01/28/2013 23:03	85228
Aroclor 1232	NELAP	0.0509		ND	mg/Kg-dry	1	01/28/2013 23:03	85228
Aroclor 1242	NELAP	5.09		65.9	mg/Kg-dry	100	01/30/2013 5:50	85228
Aroclor 1248	NELAP	0.0509		ND	mg/Kg-dry	1	01/28/2013 23:03	85228
Aroclor 1254	NELAP	5.09		17.8	mg/Kg-dry	100	01/30/2013 5:50	85228
Aroclor 1260	NELAP	0.0509		ND	mg/Kg-dry	1	01/28/2013 23:03	85228
Surr: Decachlorobiphenyl		5-156	S	668.3	%REC	1	01/28/2013 23:03	85228
Surr: Tetrachloro-meta-xylene		7.35-123		64.9	%REC	1	01/28/2013 23:03	85228

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-033

Client Sample ID: IMWP-VV-SP-11-1 ft

Matrix: SOLID

Collection Date: 01/23/2013 13:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		17.2	%	1	01/25/2013 17:13	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.045		ND	mg/Kg-dry	1	01/28/2013 23:20	85228
Aroclor 1221	NELAP	0.045		ND	mg/Kg-dry	1	01/28/2013 23:20	85228
Aroclor 1232	NELAP	0.045		ND	mg/Kg-dry	1	01/28/2013 23:20	85228
Aroclor 1242	NELAP	0.045		0.102	mg/Kg-dry	1	01/28/2013 23:20	85228
Aroclor 1248	NELAP	0.045		ND	mg/Kg-dry	1	01/28/2013 23:20	85228
Aroclor 1254	NELAP	0.045	J	0.0368	mg/Kg-dry	1	01/28/2013 23:20	85228
Aroclor 1260	NELAP	0.045		ND	mg/Kg-dry	1	01/28/2013 23:20	85228
Surr: Decachlorobiphenyl		5-156		107.4	%REC	1	01/28/2013 23:20	85228
Surr: Tetrachloro-meta-xylene		7.35-123		70.1	%REC	1	01/28/2013 23:20	85228



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-034

Client Sample ID: IMWP-VV-SP-11-4.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 13:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		16.1	%	1	01/25/2013 17:14	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	442		ND	mg/Kg-dry	10000	01/30/2013 6:25	85228
Aroclor 1221	NELAP	442		ND	mg/Kg-dry	10000	01/30/2013 6:25	85228
Aroclor 1232	NELAP	442		ND	mg/Kg-dry	10000	01/30/2013 6:25	85228
Aroclor 1242	NELAP	442		2630	mg/Kg-dry	10000	01/30/2013 6:25	85228
Aroclor 1248	NELAP	442		ND	mg/Kg-dry	10000	01/30/2013 6:25	85228
Aroclor 1254	NELAP	442		1190	mg/Kg-dry	10000	01/30/2013 6:25	85228
Aroclor 1260	NELAP	442		ND	mg/Kg-dry	10000	01/30/2013 6:25	85228
Surr: Decachlorobiphenyl		5-156	S	0	%REC	1	01/28/2013 23:37	85228
Surr: Tetrachloro-meta-xylene		7.35-123		75.1	%REC	1	01/28/2013 23:37	85228

Elevated reporting limit due to high levels of target analytes.

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-035

Client Sample ID: IMWP-VV-SP-11-8 ft

Matrix: SOLID

Collection Date: 01/23/2013 13:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		17.3	%	1	01/25/2013 17:14	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	225		ND	mg/Kg-dry	5000	01/30/2013 6:59	85228
Aroclor 1221	NELAP	225		ND	mg/Kg-dry	5000	01/30/2013 6:59	85228
Aroclor 1232	NELAP	225		ND	mg/Kg-dry	5000	01/30/2013 6:59	85228
Aroclor 1242	NELAP	225		1000	mg/Kg-dry	5000	01/30/2013 6:59	85228
Aroclor 1248	NELAP	225		ND	mg/Kg-dry	5000	01/30/2013 6:59	85228
Aroclor 1254	NELAP	225		333	mg/Kg-dry	5000	01/30/2013 6:59	85228
Aroclor 1260	NELAP	225		ND	mg/Kg-dry	5000	01/30/2013 6:59	85228
Surr: Decachlorobiphenyl		5-156	S	0	%REC	1	01/28/2013 23:55	85228
Surr: Tetrachloro-meta-xylene		7.35-123		68.6	%REC	1	01/28/2013 23:55	85228

Elevated reporting limit due to high levels of target analytes.

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-036

Client Sample ID: IMWP-VV-SP-12-1.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 14:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		16.5	%	1	01/25/2013 17:14	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 0:12	85228
Aroclor 1221	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 0:12	85228
Aroclor 1232	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 0:12	85228
Aroclor 1242	NELAP	11.2		51.7	mg/Kg-dry	250	01/30/2013 7:33	85228
Aroclor 1248	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 0:12	85228
Aroclor 1254	NELAP	0.449		4.36	mg/Kg-dry	10	01/30/2013 7:16	85228
Aroclor 1260	NELAP	0.449		2.87	mg/Kg-dry	10	01/31/2013 1:03	85228
Surr: Decachlorobiphenyl		5-156	S	0	%REC	1	01/29/2013 0:12	85228
Surr: Tetrachloro-meta-xylene		7.35-123		75.4	%REC	1	01/29/2013 0:12	85228

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-037

Client Sample ID: IMWP-VV-SP-12-4 ft

Matrix: SOLID

Collection Date: 01/23/2013 14:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		20.0	%	1	01/25/2013 17:14	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0467		ND	mg/Kg-dry	1	01/29/2013 0:29	85228
Aroclor 1221	NELAP	0.0467		ND	mg/Kg-dry	1	01/29/2013 0:29	85228
Aroclor 1232	NELAP	0.0467		ND	mg/Kg-dry	1	01/29/2013 0:29	85228
Aroclor 1242	NELAP	23.4		78.9	mg/Kg-dry	500	01/30/2013 8:08	85228
Aroclor 1248	NELAP	0.0467		ND	mg/Kg-dry	1	01/29/2013 0:29	85228
Aroclor 1254	NELAP	11.7		14.7	mg/Kg-dry	500	01/30/2013 8:08	85228
Aroclor 1260	NELAP	0.467		1.97	mg/Kg-dry	10	01/31/2013 1:20	85228
Surr: Decachlorobiphenyl		5-156	S	425.9	%REC	1	01/29/2013 0:29	85228
Surr: Tetrachloro-meta-xylene		7.35-123		53.2	%REC	1	01/29/2013 0:29	85228

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.	Work Order: 13011093							
Client Project: Solutia 2950	Report Date: 01-Feb-13							
Lab ID: 13011093-038	Client Sample ID: IMWP-VV-SP-12-8 ft							
Matrix: SOLID	Collection Date: 01/23/2013 14:15							
Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		23.3	%	1	01/25/2013 17:15	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0485		ND	mg/Kg-dry	1	01/29/2013 0:46	85228
Aroclor 1221	NELAP	0.0485		ND	mg/Kg-dry	1	01/29/2013 0:46	85228
Aroclor 1232	NELAP	0.0485		ND	mg/Kg-dry	1	01/29/2013 0:46	85228
Aroclor 1242	NELAP	243		680	mg/Kg-dry	5000	01/30/2013 8:42	85228
Aroclor 1248	NELAP	0.0485		ND	mg/Kg-dry	1	01/29/2013 0:46	85228
Aroclor 1254	NELAP	4.85		45.2	mg/Kg-dry	100	01/30/2013 8:25	85228
Aroclor 1260	NELAP	4.85		18.8	mg/Kg-dry	100	01/31/2013 1:37	85228
Surr: Decachlorobiphenyl		5-156	S	298.4	%REC	1	01/29/2013 0:46	85228
Surr: Tetrachloro-meta-xylene		7.35-123		76.5	%REC	1	01/29/2013 0:46	85228

Surrogate recovery is outside QC limits due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-039

Client Sample ID: IMWP-VV-SP-13-1.5 ft

Matrix: SOLID

Collection Date: 01/24/2013 10:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		16.2	%	1	01/25/2013 17:15	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0444		ND	mg/Kg-dry	1	01/29/2013 1:03	85228
Aroclor 1221	NELAP	0.0444		ND	mg/Kg-dry	1	01/29/2013 1:03	85228
Aroclor 1232	NELAP	0.0444		ND	mg/Kg-dry	1	01/29/2013 1:03	85228
Aroclor 1242	NELAP	0.0444		0.0967	mg/Kg-dry	1	01/29/2013 1:03	85228
Aroclor 1248	NELAP	0.0444		ND	mg/Kg-dry	1	01/29/2013 1:03	85228
Aroclor 1254	NELAP	0.0444		ND	mg/Kg-dry	1	01/29/2013 1:03	85228
Aroclor 1260	NELAP	0.0444		ND	mg/Kg-dry	1	01/29/2013 1:03	85228
Surr: Decachlorobiphenyl		5-156		137.0	%REC	1	01/29/2013 1:03	85228
Surr: Tetrachloro-meta-xylene		7.35-123		59.1	%REC	1	01/29/2013 1:03	85228



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-040

Client Sample ID: IMWP-VV-SP-13-4.5 ft

Matrix: SOLID

Collection Date: 01/24/2013 10:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		18.8	%	1	01/25/2013 17:15	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0458		ND	mg/Kg-dry	1	01/29/2013 1:55	85228
Aroclor 1221	NELAP	0.0458		ND	mg/Kg-dry	1	01/29/2013 1:55	85228
Aroclor 1232	NELAP	0.0458		ND	mg/Kg-dry	1	01/29/2013 1:55	85228
Aroclor 1242	NELAP	0.229		0.393	mg/Kg-dry	5	01/30/2013 10:08	85228
Aroclor 1248	NELAP	0.0458		ND	mg/Kg-dry	1	01/29/2013 1:55	85228
Aroclor 1254	NELAP	0.229		1.01	mg/Kg-dry	5	01/30/2013 10:08	85228
Aroclor 1260	NELAP	0.0458		0.542	mg/Kg-dry	1	01/29/2013 1:55	85228
Surr: Decachlorobiphenyl		5-156		120.4	%REC	1	01/29/2013 1:55	85228
Surr: Tetrachloro-meta-xylene		7.35-123		42.8	%REC	1	01/29/2013 1:55	85228



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-041

Client Sample ID: IMWP-VV-SP-13-9 ft

Matrix: SOLID

Collection Date: 01/24/2013 10:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		13.6	%	1	01/25/2013 17:15	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0435		ND	mg/Kg-dry	1	01/29/2013 5:04	85238
Aroclor 1221	NELAP	0.0435		ND	mg/Kg-dry	1	01/29/2013 5:04	85238
Aroclor 1232	NELAP	0.0435		ND	mg/Kg-dry	1	01/29/2013 5:04	85238
Aroclor 1242	NELAP	2.17		14.7	mg/Kg-dry	50	01/30/2013 10:25	85238
Aroclor 1248	NELAP	0.0435		ND	mg/Kg-dry	1	01/29/2013 5:04	85238
Aroclor 1254	NELAP	2.17		7.74	mg/Kg-dry	50	01/30/2013 10:25	85238
Aroclor 1260	NELAP	2.17		3.54	mg/Kg-dry	50	01/31/2013 1:54	85238
Surr: Decachlorobiphenyl		5-156	S	197.4	%REC	1	01/29/2013 5:04	85238
Surr: Tetrachloro-meta-xylene		7.35-123		80.6	%REC	1	01/29/2013 5:04	85238

Surrogate recovery is outside QC limits due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-042

Client Sample ID: IMWP-VV-SP-14-1 ft

Matrix: SOLID

Collection Date: 01/24/2013 10:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		6.7	%	1	01/25/2013 17:15	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0402		ND	mg/Kg-dry	1	01/29/2013 5:21	85238
Aroclor 1221	NELAP	0.0402		ND	mg/Kg-dry	1	01/29/2013 5:21	85238
Aroclor 1232	NELAP	0.0402		ND	mg/Kg-dry	1	01/29/2013 5:21	85238
Aroclor 1242	NELAP	0.0402		ND	mg/Kg-dry	1	01/29/2013 5:21	85238
Aroclor 1248	NELAP	0.0402		ND	mg/Kg-dry	1	01/29/2013 5:21	85238
Aroclor 1254	NELAP	2.01		18.4	mg/Kg-dry	50	01/30/2013 10:42	85238
Aroclor 1260	NELAP	2.01		4.97	mg/Kg-dry	50	01/31/2013 2:11	85238
Surr: Decachlorobiphenyl		5-156		118.8	%REC	1	01/29/2013 5:21	85238
Surr: Tetrachloro-meta-xylene		7.35-123		89.7	%REC	1	01/29/2013 5:21	85238



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-043

Client Sample ID: IMWP-VV-SP-14-5 ft

Matrix: SOLID

Collection Date: 01/24/2013 10:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		19.1	%	1	01/25/2013 17:16	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.046		ND	mg/Kg-dry	1	01/29/2013 5:38	85238
Aroclor 1221	NELAP	0.046		ND	mg/Kg-dry	1	01/29/2013 5:38	85238
Aroclor 1232	NELAP	0.046		ND	mg/Kg-dry	1	01/29/2013 5:38	85238
Aroclor 1242	NELAP	11.5		47.7	mg/Kg-dry	250	01/30/2013 11:17	85238
Aroclor 1248	NELAP	0.046		ND	mg/Kg-dry	1	01/29/2013 5:38	85238
Aroclor 1254	NELAP	1.15		8.91	mg/Kg-dry	25	01/30/2013 11:00	85238
Aroclor 1260	NELAP	1.15		2.49	mg/Kg-dry	25	01/31/2013 2:29	85238
Surr: Decachlorobiphenyl		5-156	S	359.5	%REC	1	01/29/2013 5:38	85238
Surr: Tetrachloro-meta-xylene		7.35-123		67.2	%REC	1	01/29/2013 5:38	85238

Surrogate recovery is outside QC limits due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.	Work Order: 13011093							
Client Project: Solutia 2950	Report Date: 01-Feb-13							
Lab ID: 13011093-044	Client Sample ID: IMWP-VV-SP-14-10 ft							
Matrix: SOLID	Collection Date: 01/24/2013 10:25							
Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		19.8	%	1	01/25/2013 17:16	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0463		ND	mg/Kg-dry	1	01/29/2013 5:55	85238
Aroclor 1221	NELAP	0.0463		ND	mg/Kg-dry	1	01/29/2013 5:55	85238
Aroclor 1232	NELAP	0.0463		ND	mg/Kg-dry	1	01/29/2013 5:55	85238
Aroclor 1242	NELAP	23.2		215	mg/Kg-dry	500	01/30/2013 11:51	85238
Aroclor 1248	NELAP	0.0463		ND	mg/Kg-dry	1	01/29/2013 5:55	85238
Aroclor 1254	NELAP	2.32		30.5	mg/Kg-dry	50	01/30/2013 11:34	85238
Aroclor 1260	NELAP	2.32		13.7	mg/Kg-dry	50	01/31/2013 2:46	85238
Surr: Decachlorobiphenyl		5-156		110.5	%REC	1	01/29/2013 5:55	85238
Surr: Tetrachloro-meta-xylene		7.35-123		62.9	%REC	1	01/29/2013 5:55	85238



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-045

Client Sample ID: IMWP-VV-SP-15-1.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 14:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		19.8	%	1	01/25/2013 17:16	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 6:13	85238
Aroclor 1221	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 6:13	85238
Aroclor 1232	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 6:13	85238
Aroclor 1242	NELAP	0.0465		0.122	mg/Kg-dry	1	01/29/2013 6:13	85238
Aroclor 1248	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 6:13	85238
Aroclor 1254	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 6:13	85238
Aroclor 1260	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 6:13	85238
Surr: Decachlorobiphenyl		5-156		95.9	%REC	1	01/29/2013 6:13	85238
Surr: Tetrachloro-meta-xylene		7.35-123		53.1	%REC	1	01/29/2013 6:13	85238



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-046

Client Sample ID: IMWP-VV-SP-11-8 ft AD

Matrix: SOLID

Collection Date: 01/23/2013 12:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		17.2	%	1	01/25/2013 17:16	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	451		ND	mg/Kg-dry	10000	01/30/2013 12:09	85238
Aroclor 1221	NELAP	451		ND	mg/Kg-dry	10000	01/30/2013 12:09	85238
Aroclor 1232	NELAP	451		ND	mg/Kg-dry	10000	01/30/2013 12:09	85238
Aroclor 1242	NELAP	1130		3530	mg/Kg-dry	25000	01/30/2013 12:26	85238
Aroclor 1248	NELAP	451		ND	mg/Kg-dry	10000	01/30/2013 12:09	85238
Aroclor 1254	NELAP	451		1540	mg/Kg-dry	10000	01/30/2013 12:09	85238
Aroclor 1260	NELAP	451		ND	mg/Kg-dry	10000	01/30/2013 12:09	85238
Surr: Decachlorobiphenyl		5-156	S	0	%REC	1	01/29/2013 6:30	85238
Surr: Tetrachloro-meta-xylene		7.35-123		77.5	%REC	1	01/29/2013 6:30	85238

Elevated reporting limit due to high levels of target analytes.

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-047

Client Sample ID: IMWP-VV-SP-15-4.5 Ft

Matrix: SOLID

Collection Date: 01/23/2013 14:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		20.4	%	1	01/25/2013 17:17	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	1.17		7.51	mg/Kg-dry	25	01/30/2013 12:43	85238
Aroclor 1221	NELAP	0.0468		ND	mg/Kg-dry	1	01/29/2013 6:47	85238
Aroclor 1232	NELAP	0.0468		ND	mg/Kg-dry	1	01/29/2013 6:47	85238
Aroclor 1242	NELAP	0.0468		ND	mg/Kg-dry	1	01/29/2013 6:47	85238
Aroclor 1248	NELAP	0.0468		ND	mg/Kg-dry	1	01/29/2013 6:47	85238
Aroclor 1254	NELAP	0.0468		ND	mg/Kg-dry	1	01/29/2013 6:47	85238
Aroclor 1260	NELAP	0.234	J	0.0837	mg/Kg-dry	5	01/31/2013 3:03	85238
Surr: Decachlorobiphenyl		5-156		102.1	%REC	1	01/29/2013 6:47	85238
Surr: Tetrachloro-meta-xylene		7.35-123		43.7	%REC	1	01/29/2013 6:47	85238

Elevated reporting limit due to sample extract composition.

Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-048

Client Sample ID: IMWP-VV-SP-15-9 ft

Matrix: SOLID

Collection Date: 01/23/2013 14:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		19.8	%	1	01/25/2013 17:17	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 7:04	85238
Aroclor 1221	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 7:04	85238
Aroclor 1232	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 7:04	85238
Aroclor 1242	NELAP	23.2		238	mg/Kg-dry	500	01/30/2013 13:17	85238
Aroclor 1248	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 7:04	85238
Aroclor 1254	NELAP	1.16		14.5	mg/Kg-dry	25	01/30/2013 13:00	85238
Aroclor 1260	NELAP	1.16		5.07	mg/Kg-dry	25	01/31/2013 3:20	85238
Surr: Decachlorobiphenyl		5-156		84.4	%REC	1	01/29/2013 7:04	85238
Surr: Tetrachloro-meta-xylene		7.35-123		57.6	%REC	1	01/29/2013 7:04	85238



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-049

Client Sample ID: IMWP-VV-SP-16-1 ft

Matrix: SOLID

Collection Date: 01/24/2013 10:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		16.8	%	1	01/25/2013 17:17	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 7:21	85238
Aroclor 1221	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 7:21	85238
Aroclor 1232	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 7:21	85238
Aroclor 1242	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 7:21	85238
Aroclor 1248	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 7:21	85238
Aroclor 1254	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 7:21	85238
Aroclor 1260	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 7:21	85238
Surr: Decachlorobiphenyl		5-156		84.4	%REC	1	01/29/2013 7:21	85238
Surr: Tetrachloro-meta-xylene		7.35-123		64.1	%REC	1	01/29/2013 7:21	85238



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-050

Client Sample ID: IMWP-VV-SP-16-1 ft AD

Matrix: SOLID

Collection Date: 01/24/2013 12:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		19.6	%	1	01/25/2013 17:17	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 7:38	85238
Aroclor 1221	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 7:38	85238
Aroclor 1232	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 7:38	85238
Aroclor 1242	NELAP	0.0465	J	0.0306	mg/Kg-dry	1	01/29/2013 7:38	85238
Aroclor 1248	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 7:38	85238
Aroclor 1254	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 7:38	85238
Aroclor 1260	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 7:38	85238
Surr: Decachlorobiphenyl		5-156		73.8	%REC	1	01/29/2013 7:38	85238
Surr: Tetrachloro-meta-xylene		7.35-123		41.5	%REC	1	01/29/2013 7:38	85238



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-051

Client Sample ID: IMWP-VV-SP-16-5 ft

Matrix: SOLID

Collection Date: 01/24/2013 10:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		19.0	%	1	01/25/2013 17:17	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0462		ND	mg/Kg-dry	1	01/29/2013 7:55	85238
Aroclor 1221	NELAP	0.0462		ND	mg/Kg-dry	1	01/29/2013 7:55	85238
Aroclor 1232	NELAP	0.0462		ND	mg/Kg-dry	1	01/29/2013 7:55	85238
Aroclor 1242	NELAP	0.0462		0.0686	mg/Kg-dry	1	01/29/2013 7:55	85238
Aroclor 1248	NELAP	0.0462		ND	mg/Kg-dry	1	01/29/2013 7:55	85238
Aroclor 1254	NELAP	0.0462		ND	mg/Kg-dry	1	01/29/2013 7:55	85238
Aroclor 1260	NELAP	0.0462	J	0.0372	mg/Kg-dry	1	01/29/2013 7:55	85238
Surr: Decachlorobiphenyl		5-156		111.0	%REC	1	01/29/2013 7:55	85238
Surr: Tetrachloro-meta-xylene		7.35-123		66.4	%REC	1	01/29/2013 7:55	85238



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-052

Client Sample ID: IMWP-VV-SP-16-10 ft

Matrix: SOLID

Collection Date: 01/24/2013 10:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		17.7	%	1	01/25/2013 17:18	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0457		ND	mg/Kg-dry	1	01/29/2013 8:13	85238
Aroclor 1221	NELAP	0.0457		ND	mg/Kg-dry	1	01/29/2013 8:13	85238
Aroclor 1232	NELAP	0.0457		ND	mg/Kg-dry	1	01/29/2013 8:13	85238
Aroclor 1242	NELAP	0.0457		ND	mg/Kg-dry	1	01/29/2013 8:13	85238
Aroclor 1248	NELAP	0.0457		ND	mg/Kg-dry	1	01/29/2013 8:13	85238
Aroclor 1254	NELAP	0.0457		ND	mg/Kg-dry	1	01/29/2013 8:13	85238
Aroclor 1260	NELAP	0.0457		ND	mg/Kg-dry	1	01/29/2013 8:13	85238
Surr: Decachlorobiphenyl		5-156		98.4	%REC	1	01/29/2013 8:13	85238
Surr: Tetrachloro-meta-xylene		7.35-123		58.4	%REC	1	01/29/2013 8:13	85238

Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-053

Client Sample ID: IMWP-VV-SP-17-1.5 ft

Matrix: SOLID

Collection Date: 01/24/2013 10:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		15.2	%	1	01/25/2013 17:18	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0441		ND	mg/Kg-dry	1	01/29/2013 8:47	85238
Aroclor 1221	NELAP	0.0441		ND	mg/Kg-dry	1	01/29/2013 8:47	85238
Aroclor 1232	NELAP	0.0441		ND	mg/Kg-dry	1	01/29/2013 8:47	85238
Aroclor 1242	NELAP	0.0441		ND	mg/Kg-dry	1	01/29/2013 8:47	85238
Aroclor 1248	NELAP	0.0441		ND	mg/Kg-dry	1	01/29/2013 8:47	85238
Aroclor 1254	NELAP	0.0441		ND	mg/Kg-dry	1	01/29/2013 8:47	85238
Aroclor 1260	NELAP	0.0441		ND	mg/Kg-dry	1	01/29/2013 8:47	85238
Surr: Decachlorobiphenyl		5-156		111.4	%REC	1	01/29/2013 8:47	85238
Surr: Tetrachloro-meta-xylene		7.35-123		72.2	%REC	1	01/29/2013 8:47	85238



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-054

Client Sample ID: IMWP-VV-SP-17-5 ft

Matrix: SOLID

Collection Date: 01/24/2013 11:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		21.9	%	1	01/25/2013 17:18	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.048		ND	mg/Kg-dry	1	01/29/2013 9:04	85238
Aroclor 1221	NELAP	0.048		ND	mg/Kg-dry	1	01/29/2013 9:04	85238
Aroclor 1232	NELAP	0.048		ND	mg/Kg-dry	1	01/29/2013 9:04	85238
Aroclor 1242	NELAP	0.048	J	0.031	mg/Kg-dry	1	01/29/2013 9:04	85238
Aroclor 1248	NELAP	0.048		ND	mg/Kg-dry	1	01/29/2013 9:04	85238
Aroclor 1254	NELAP	0.048		ND	mg/Kg-dry	1	01/29/2013 9:04	85238
Aroclor 1260	NELAP	0.048		ND	mg/Kg-dry	1	01/29/2013 9:04	85238
Surr: Decachlorobiphenyl		5-156		78.2	%REC	1	01/29/2013 9:04	85238
Surr: Tetrachloro-meta-xylene		7.35-123		39.2	%REC	1	01/29/2013 9:04	85238



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-055

Client Sample ID: IMWP-VV-SP-17-10 ft

Matrix: SOLID

Collection Date: 01/24/2013 11:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		17.0	%	1	01/25/2013 17:18	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0451		ND	mg/Kg-dry	1	01/29/2013 9:22	85238
Aroclor 1221	NELAP	0.0451		ND	mg/Kg-dry	1	01/29/2013 9:22	85238
Aroclor 1232	NELAP	0.0451		ND	mg/Kg-dry	1	01/29/2013 9:22	85238
Aroclor 1242	NELAP	45.1		297	mg/Kg-dry	1000	01/30/2013 13:35	85238
Aroclor 1248	NELAP	0.0451		ND	mg/Kg-dry	1	01/29/2013 9:22	85238
Aroclor 1254	NELAP	45.1		145	mg/Kg-dry	1000	01/30/2013 13:35	85238
Aroclor 1260	NELAP	4.51		17.8	mg/Kg-dry	100	01/31/2013 3:37	85238
Surr: Decachlorobiphenyl		5-156	S	343.9	%REC	1	01/29/2013 9:22	85238
Surr: Tetrachloro-meta-xylene		7.35-123		57.9	%REC	1	01/29/2013 9:22	85238

Surrogate recovery is outside QC limits due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.
Client Project: Solutia 2950
Lab ID: 13011093-056
Matrix: SOLID

Work Order: 13011093
Report Date: 01-Feb-13

Client Sample ID: IMWP-VV-SP-18-1 ft
Collection Date: 01/24/2013 11:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		11.4	%	1	01/25/2013 17:18	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0421		ND	mg/Kg-dry	1	01/29/2013 9:39	85238
Aroclor 1221	NELAP	0.0421		ND	mg/Kg-dry	1	01/29/2013 9:39	85238
Aroclor 1232	NELAP	0.0421		ND	mg/Kg-dry	1	01/29/2013 9:39	85238
Aroclor 1242	NELAP	0.0421		0.401	mg/Kg-dry	1	01/29/2013 9:39	85238
Aroclor 1248	NELAP	0.0421		ND	mg/Kg-dry	1	01/29/2013 9:39	85238
Aroclor 1254	NELAP	0.0421		0.142	mg/Kg-dry	1	01/29/2013 9:39	85238
Aroclor 1260	NELAP	0.0421		0.0795	mg/Kg-dry	1	01/29/2013 9:39	85238
Surr: Decachlorobiphenyl		5-156		116.6	%REC	1	01/29/2013 9:39	85238
Surr: Tetrachloro-meta-xylene		7.35-123		66.7	%REC	1	01/29/2013 9:39	85238



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-057

Client Sample ID: IMWP-VV-SP-18-5 ft

Matrix: SOLID

Collection Date: 01/24/2013 11:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		24.3	%	1	01/25/2013 17:19	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	49.3		ND	mg/Kg-dry	1000	01/30/2013 14:09	85238
Aroclor 1221	NELAP	49.3		ND	mg/Kg-dry	1000	01/30/2013 14:09	85238
Aroclor 1232	NELAP	49.3		ND	mg/Kg-dry	1000	01/30/2013 14:09	85238
Aroclor 1242	NELAP	493		1300	mg/Kg-dry	10000	01/30/2013 14:26	85238
Aroclor 1248	NELAP	49.3		ND	mg/Kg-dry	1000	01/30/2013 14:09	85238
Aroclor 1254	NELAP	49.3		157	mg/Kg-dry	1000	01/30/2013 14:09	85238
Aroclor 1260	NELAP	49.3	J	47.8	mg/Kg-dry	1000	01/31/2013 3:54	85238
Surr: Decachlorobiphenyl		5-156	S	0	%REC	1	01/29/2013 9:56	85238
Surr: Tetrachloro-meta-xylene		7.35-123		44.7	%REC	1	01/29/2013 9:56	85238

Elevated reporting limit due to high levels of target analytes.

Elevated reporting limit due to sample extract composition.

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-058

Client Sample ID: IMWP-VV-SP-18-10 ft

Matrix: SOLID

Collection Date: 01/24/2013 11:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		22.3	%	1	01/25/2013 17:19	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	48.1	S	ND	mg/Kg-dry	1000	01/30/2013 14:43	85238
Aroclor 1221	NELAP	48.1		ND	mg/Kg-dry	1000	01/30/2013 14:43	85238
Aroclor 1232	NELAP	48.1		ND	mg/Kg-dry	1000	01/30/2013 14:43	85238
Aroclor 1242	NELAP	481		1670	mg/Kg-dry	10000	01/30/2013 15:01	85238
Aroclor 1248	NELAP	48.1		ND	mg/Kg-dry	1000	01/30/2013 14:43	85238
Aroclor 1254	NELAP	48.1		265	mg/Kg-dry	1000	01/30/2013 14:43	85238
Aroclor 1260	NELAP	19.2	S	52.2	mg/Kg-dry	1000	01/31/2013 4:12	85238
Surr: Decachlorobiphenyl		5-156	S	0	%REC	1	01/29/2013 10:13	85238
Surr: Tetrachloro-meta-xylene		7.35-123		60.8	%REC	1	01/29/2013 10:13	85238

MS/MSD did not recover within control limits due to sample composition.

Elevated reporting limit due to high levels of target analytes.

MS/MSD did not recover within control limits due to sample extract composition.

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-059

Client Sample ID: IMWP-VV-SP-19-1 ft

Matrix: SOLID

Collection Date: 01/24/2013 11:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		13.2	%	1	01/25/2013 17:19	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0432		ND	mg/Kg-dry	1	01/29/2013 11:05	85238
Aroclor 1221	NELAP	0.0432		ND	mg/Kg-dry	1	01/29/2013 11:05	85238
Aroclor 1232	NELAP	0.0432		ND	mg/Kg-dry	1	01/29/2013 11:05	85238
Aroclor 1242	NELAP	0.432		3.32	mg/Kg-dry	10	01/30/2013 16:27	85238
Aroclor 1248	NELAP	0.0432		ND	mg/Kg-dry	1	01/29/2013 11:05	85238
Aroclor 1254	NELAP	0.432		1.58	mg/Kg-dry	10	01/30/2013 16:27	85238
Aroclor 1260	NELAP	0.0432		0.55	mg/Kg-dry	1	01/29/2013 11:05	85238
Surr: Decachlorobiphenyl		5-156		141.1	%REC	1	01/29/2013 11:05	85238
Surr: Tetrachloro-meta-xylene		7.35-123		69.1	%REC	1	01/29/2013 11:05	85238



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-060

Client Sample ID: IMWP-VV-SP-19-4.5 ft

Matrix: SOLID

Collection Date: 01/24/2013 11:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		15.3	%	1	01/25/2013 17:19	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	0.0442		ND	mg/Kg-dry	1	01/29/2013 11:22	85238
Aroclor 1221	NELAP	0.0442		ND	mg/Kg-dry	1	01/29/2013 11:22	85238
Aroclor 1232	NELAP	0.0442		ND	mg/Kg-dry	1	01/29/2013 11:22	85238
Aroclor 1242	NELAP	0.0442		0.219	mg/Kg-dry	1	01/29/2013 11:22	85238
Aroclor 1248	NELAP	0.0442		ND	mg/Kg-dry	1	01/29/2013 11:22	85238
Aroclor 1254	NELAP	0.0442		0.0631	mg/Kg-dry	1	01/29/2013 11:22	85238
Aroclor 1260	NELAP	0.0442	J	0.0259	mg/Kg-dry	1	01/29/2013 11:22	85238
Surr: Decachlorobiphenyl		5-156		98.7	%REC	1	01/29/2013 11:22	85238
Surr: Tetrachloro-meta-xylene		7.35-123		73.5	%REC	1	01/29/2013 11:22	85238

Laboratory Results

<http://www.teklabinc.com/>
Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-061

Client Sample ID: IMWP-VV-SP-19-9.5 ft

Matrix: SOLID

Collection Date: 01/24/2013 11:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		20.8	%	1	01/25/2013 17:19	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	47.3	S	520	mg/Kg-dry	1000	01/30/2013 21:36	85252
Aroclor 1221	NELAP	4.73		ND	mg/Kg-dry	100	01/30/2013 21:19	85252
Aroclor 1232	NELAP	4.73		ND	mg/Kg-dry	100	01/30/2013 21:19	85252
Aroclor 1242	NELAP	4.73		ND	mg/Kg-dry	100	01/30/2013 21:19	85252
Aroclor 1248	NELAP	4.73		ND	mg/Kg-dry	100	01/30/2013 21:19	85252
Aroclor 1254	NELAP	4.73		ND	mg/Kg-dry	100	01/30/2013 21:19	85252
Aroclor 1260	NELAP	4.73	SR	20.8	mg/Kg-dry	100	01/30/2013 21:19	85252
Surr: Decachlorobiphenyl		5-156	S	623.0	%REC	1	01/29/2013 12:48	85252
Surr: Tetrachloro-meta-xylene		7.35-123		52.4	%REC	1	01/29/2013 12:48	85252

RPD and MS/MSD were outside of QC limits due to sample extract composition.
Elevated reporting limit due to high levels of target and/or non-target analytes.
Surrogate recovery is outside QC limits due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-062

Client Sample ID: IMWP-VV-SP-19-9.5 AD

Matrix: SOLID

Collection Date: 01/24/2013 12:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		21.7	%	1	01/25/2013 17:20	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	47.9		446	mg/Kg-dry	1000	01/30/2013 23:19	85252
Aroclor 1221	NELAP	4.79		ND	mg/Kg-dry	100	01/30/2013 23:02	85252
Aroclor 1232	NELAP	4.79		ND	mg/Kg-dry	100	01/30/2013 23:02	85252
Aroclor 1242	NELAP	4.79		ND	mg/Kg-dry	100	01/30/2013 23:02	85252
Aroclor 1248	NELAP	4.79		ND	mg/Kg-dry	100	01/30/2013 23:02	85252
Aroclor 1254	NELAP	4.79		ND	mg/Kg-dry	100	01/30/2013 23:02	85252
Aroclor 1260	NELAP	4.79		21.7	mg/Kg-dry	100	01/30/2013 23:02	85252
Surr: Decachlorobiphenyl		5-156	S	0	%REC	1	01/29/2013 14:10	85252
Surr: Tetrachloro-meta-xylene		7.35-123		43.9	%REC	1	01/29/2013 14:10	85252

Elevated reporting limit due to high levels of target and/or non-target analytes.

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.	Work Order: 13011093							
Client Project: Solutia 2950	Report Date: 01-Feb-13							
Lab ID: 13011093-063	Client Sample ID: IMWP-VV-SP-15-4.5 AD							
Matrix: SOLID	Collection Date: 01/24/2013 0:00							
Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		20.6	%	1	01/25/2013 17:20	R173057
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	1.18		6.61	mg/Kg-dry	25	01/30/2013 23:54	85252
Aroclor 1221	NELAP	0.471		ND	mg/Kg-dry	10	01/30/2013 23:37	85252
Aroclor 1232	NELAP	0.471		ND	mg/Kg-dry	10	01/30/2013 23:37	85252
Aroclor 1242	NELAP	0.471		ND	mg/Kg-dry	10	01/30/2013 23:37	85252
Aroclor 1248	NELAP	0.471		ND	mg/Kg-dry	10	01/30/2013 23:37	85252
Aroclor 1254	NELAP	0.471		ND	mg/Kg-dry	10	01/30/2013 23:37	85252
Aroclor 1260	NELAP	0.471		1.35	mg/Kg-dry	10	01/30/2013 23:37	85252
Surr: Decachlorobiphenyl		5-156	S	412.4	%REC	1	01/29/2013 14:28	85252
Surr: Tetrachloro-meta-xylene		7.35-123		57.0	%REC	1	01/29/2013 14:28	85252

Elevated reporting limit due to high levels of target and/or non-target analytes.

Surrogate recovery is outside QC limits due to matrix interference.



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

EPA SW846 3550C, 5035A, ASTM D2974

Batch	R173057	SampType:	LCS	Units %							Date Analyzed	
Analyses				RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Percent Moisture				0.1		99.0	99.0	0	100.0	90	110	01/25/2013
Percent Moisture				0.1		99.0	99.0	0	100.0	90	110	01/25/2013
Batch R173057 SampType: DUP Units % RPD Limit 15												
Analyses				RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Percent Moisture				0.1		18.0				17.97	0.44	01/25/2013
Batch R173057 SampType: DUP Units % RPD Limit 15												
Analyses				RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Percent Moisture				0.1		19.1				18.23	4.66	01/25/2013
Batch R173057 SampType: DUP Units % RPD Limit 15												
Analyses				RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Percent Moisture				0.1		21.2				20.79	1.95	01/25/2013
Batch R173057 SampType: DUP Units % RPD Limit 15												
Analyses				RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Percent Moisture				0.1		17.0				17.28	1.63	01/25/2013
Batch R173057 SampType: DUP Units % RPD Limit 15												
Analyses				RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Percent Moisture				0.1		18.5				19.79	6.52	01/25/2013
Batch R173057 SampType: DUP Units % RPD Limit 15												
Analyses				RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Percent Moisture				0.1		18.8				19.02	1.38	01/25/2013
Batch R173057 SampType: DUP Units % RPD Limit 15												
Analyses				RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Percent Moisture				0.1		20.0				20.57	2.56	01/25/2013



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

EPA SW846 3550C, 5035A, ASTM D2974

Batch	R173057	SampType:	DUP	Units %	RPD Limit 15	Date Analyzed
SamplID: 13011126-007C DUP						
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC
Percent Moisture	0.1		16.2		15.11	6.84

SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD

Batch	85215	SampType:	MBLK	Units mg/Kg	Date Analyzed	
SamplID: MB-85215						
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC
Aroclor 1016	0.0375		ND			01/28/2013
Aroclor 1221	0.0375		ND			01/28/2013
Aroclor 1232	0.0375		ND			01/28/2013
Aroclor 1242	0.0375		ND			01/28/2013
Aroclor 1248	0.0375		ND			01/28/2013
Aroclor 1254	0.0375		ND			01/28/2013
Aroclor 1260	0.0375		ND			01/28/2013
Surr: Decachlorobiphenyl			8.4	8.3	100.6	59
Surr: Tetrachloro-meta-xylene			6.2	8.3	75.1	31.6
						114

Batch 85215 SampType: LCS Units mg/Kg

Batch	85215	SampType:	LCS	Units mg/Kg	Date Analyzed	
SamplID: LCSPCB-85215						
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC
Aroclor 1016	0.0375		0.102	0.2	0	60.9
Aroclor 1260	0.0375		0.124	0.2	0	74.3
Surr: Decachlorobiphenyl			8.0	8.3		96.8
Surr: Tetrachloro-meta-xylene			4.2	8.3		50.7
						31.6
						114

Batch 85215 SampType: MS Units mg/Kg-dry

Batch	85215	SampType:	MS	Units mg/Kg-dry	Date Analyzed	
SamplID: 13011093-020AMS						
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC
Aroclor 1016	0.0428		0.157	0.2	0	82.4
Aroclor 1260	0.0428		0.255	0.2	2422838881C	68.9
Surr: Decachlorobiphenyl			8.3	9.5		87.2
Surr: Tetrachloro-meta-xylene			5.8	9.5		61.5
						7.35
						123

Batch 85215 SampType: MSD Units mg/Kg-dry

Batch	85215	SampType:	MSD	Units mg/Kg-dry	RPD Limit 40	Date Analyzed
SamplID: 13011093-020AMSD						
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC
Aroclor 1016	0.0429		0.173	0.2	0	90.5
Aroclor 1260	0.0429		0.283	0.2	2422838881C	83.4
Surr: Decachlorobiphenyl			8.3	9.5		87.7
Surr: Tetrachloro-meta-xylene			5.6	9.5		58.5
						01/28/2013
						01/28/2013



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD

Batch	85228	SampType:	MBLK	Units mg/Kg						Date Analyzed
Analyses										
Aroclor 1016		0.0375		ND						01/28/2013
Aroclor 1221		0.0375		ND						01/28/2013
Aroclor 1232		0.0375		ND						01/28/2013
Aroclor 1242		0.0375		ND						01/28/2013
Aroclor 1248		0.0375		ND						01/28/2013
Aroclor 1254		0.0375		ND						01/28/2013
Aroclor 1260		0.0375		ND						01/28/2013
Surr: Decachlorobiphenyl				8.6	8.3		104.0	59	160	01/28/2013
Surr: Tetrachloro-meta-xylene				6.8	8.3		81.4	31.6	114	01/28/2013

Batch	85228	SampType:	LCS	Units mg/Kg						Date Analyzed
Analyses										
Aroclor 1016		0.0375		0.121	0.2	0	72.5	54.9	121	01/28/2013
Aroclor 1260		0.0375		0.147	0.2	0	88.1	65.5	133	01/28/2013
Surr: Decachlorobiphenyl				9.0	8.3		108.2	86.4	159	01/28/2013
Surr: Tetrachloro-meta-xylene				6.7	8.3		80.9	31.6	114	01/28/2013

Batch	85228	SampType:	MS	Units mg/Kg-dry						Date Analyzed
Analyses										
Aroclor 1016		0.0443		0.142	0.2	0	72.2	35.8	143	01/29/2013
Aroclor 1260		0.0443		0.204	0.2	0	103.8	22.3	152	01/29/2013
Surr: Decachlorobiphenyl				11.0	9.8		112.5	5	156	01/29/2013
Surr: Tetrachloro-meta-xylene				6.6	9.8		67.1	7.35	123	01/29/2013

Batch	85228	SampType:	MSD	Units mg/Kg-dry					RPD Limit 40	Date Analyzed
Analyses										
Aroclor 1016		0.0443		0.152	0.2	0	77.2	0.142197847	6.73	01/29/2013
Aroclor 1260		0.0443		0.219	0.2	0	111.4	0.204460676	7.05	01/29/2013
Surr: Decachlorobiphenyl				9.8	9.8		99.7			01/29/2013
Surr: Tetrachloro-meta-xylene				6.3	9.8		63.9			01/29/2013



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD

Batch	85238	SampType:	MBLK	Units mg/Kg						Date Analyzed
SampID: MB-85238										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Date Analyzed
Aroclor 1016	0.0375		ND							01/29/2013
Aroclor 1221	0.0375		ND							01/29/2013
Aroclor 1232	0.0375		ND							01/29/2013
Aroclor 1242	0.0375		ND							01/29/2013
Aroclor 1248	0.0375		ND							01/29/2013
Aroclor 1254	0.0375		ND							01/29/2013
Aroclor 1260	0.0375		ND							01/29/2013
Surr: Decachlorobiphenyl			11.6	8.3		139.6	59	160		01/29/2013
Surr: Tetrachloro-meta-xylene			6.0	8.3		72.0	31.6	114		01/29/2013

Batch	85238	SampType:	LCS	Units mg/Kg						Date Analyzed
SampID: LCSPCB-85238										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Date Analyzed
Aroclor 1016	0.0375		0.12	0.2	0	72.0	54.9	121		01/29/2013
Aroclor 1260	0.0375		0.158	0.2	0	94.6	65.5	133		01/29/2013
Surr: Decachlorobiphenyl			11.2	8.3		135.4	86.4	159		01/29/2013
Surr: Tetrachloro-meta-xylene			5.7	8.3		68.3	31.6	114		01/29/2013

Batch	85238	SampType:	MS	Units mg/Kg-dry						Date Analyzed
SampID: 13011093-058AMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Date Analyzed
Aroclor 1016	48.2	S	ND	0.2	0	0	35.8	143		01/30/2013
Aroclor 1260	19.3	S	29.5	0.2	15826207674	-10580	22.3	152		01/31/2013
Surr: Decachlorobiphenyl		S	60.3	10.7		566.0	5	156		01/29/2013
Surr: Tetrachloro-meta-xylene			6.0	10.7		55.9	7.35	123		01/29/2013

Batch	85238	SampType:	MSD	Units mg/Kg-dry					RPD Limit 40	Date Analyzed
SampID: 13011093-058AMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Date Analyzed
Aroclor 1016	48.1	S	ND	0.2	0	0	0	0.00		01/30/2013
Aroclor 1260	19.2	S	25.3	0.2	0	11820	29.50253433	15.45		01/31/2013
Surr: Decachlorobiphenyl		S	64.2	10.6		603.2				01/29/2013
Surr: Tetrachloro-meta-xylene			6.2	10.6		58.1				01/29/2013



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD

Batch	85252	SampType:	MBLK	Units mg/Kg						Date Analyzed
SampID:	MB-85252									
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Aroclor 1016		0.0375		ND						01/29/2013
Aroclor 1221		0.0375		ND						01/29/2013
Aroclor 1232		0.0375		ND						01/29/2013
Aroclor 1242		0.0375	J	0.0311						01/29/2013
Aroclor 1248		0.0375		ND						01/29/2013
Aroclor 1254		0.0375		ND						01/29/2013
Aroclor 1260		0.0375		ND						01/29/2013
Surr: Decachlorobiphenyl				11.3	8.3		135.8	59	160	01/29/2013
Surr: Tetrachloro-meta-xylene				6.2	8.3		74.9	31.6	114	01/29/2013

Batch 85252 SampType: LCS

Batch	85252	SampType:	LCS	Units mg/Kg						Date Analyzed
SampID:	LCSPCB-85252									
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Aroclor 1016		0.0375		0.128	0.2	0	76.6	54.9	121	01/29/2013
Aroclor 1260		0.0375		0.165	0.2	0	98.9	65.5	133	01/29/2013
Surr: Decachlorobiphenyl				11.6	8.3		139.3	86.4	159	01/29/2013
Surr: Tetrachloro-meta-xylene				5.8	8.3		70.0	31.6	114	01/29/2013

Batch 85252 SampType: MS

Batch	85252	SampType:	MS	Units mg/Kg-dry						Date Analyzed
SampID:	13011093-061AMS									
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Aroclor 1016		47.3	S	458	0.2	0.296918622E-29540		35.8	143	01/30/2013
Aroclor 1260		4.73	S	25.6	0.2	80454670131 2261		22.3	152	01/30/2013
Surr: Decachlorobiphenyl			S	48.9	10.5		466.8	5	156	01/29/2013
Surr: Tetrachloro-meta-xylene				5.3	10.5		50.2	7.35	123	01/29/2013

Batch 85252 SampType: MSD

Batch	85252	SampType:	MSD	Units mg/Kg-dry						RPD Limit 40	Date Analyzed
SampID:	13011093-061AMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Aroclor 1016		47.2	S	323	0.2	0.296918622E-94050		458.1279073	34.65	01/30/2013	
Aroclor 1260		4.72	SR	15.2	0.2	80454670131 -2688		25.56400438	51.09	01/30/2013	
Surr: Decachlorobiphenyl			S	29.1	10.5		278.4			01/29/2013	
Surr: Tetrachloro-meta-xylene				5.9	10.5		56.8			01/29/2013	

Batch 85252 SampType: MS

Batch	85252	SampType:	MS	Units mg/Kg-dry						Date Analyzed
SampID:	13011126-007AMS									
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Aroclor 1016		0.0441		0.126	0.2	0	64.4	35.8	143	01/30/2013
Aroclor 1260		0.0441		0.13	0.2	0	66.1	22.3	152	01/30/2013
Surr: Decachlorobiphenyl				7.9	9.8		80.8	5	156	01/30/2013
Surr: Tetrachloro-meta-xylene				5.6	9.8		56.9	7.35	123	01/30/2013



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD

Batch	SampType:	MSD	Units	mg/Kg-dry						RPD Limit 40		
			SampID:									
Analyses		RL	Qual	Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD	Date Analyzed
Aroclor 1016		0.044		0.118	0.2	0	60.4	60.4	0.126435523	6.68	01/30/2013	
Aroclor 1260		0.044		0.12	0.2	0	61.4	61.4	0.129749370	7.68	01/30/2013	
Surr: Decachlorobiphenyl				6.9	9.7		71.1	71.1			01/30/2013	
Surr: Tetrachloro-meta-xylene				4.2	9.7		42.7	42.7			01/30/2013	



Receiving Check List

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Carrier: Kendrick Prejean

Received By: EEP

Completed by:

On:

24-Jan-13

Timothy W. Mathis

Reviewed by:

On:

25-Jan-13

Michael L. Austin

Pages to follow: Chain of custody

7

Extra pages included

0

Shipping container/coolier in good condition?

Yes

No

Not Present

Temp °C 1.4

Type of thermal preservation?

None

Ice

Blue Ice

Dry Ice

Chain of custody present?

Yes

No

Chain of custody signed when relinquished and received?

Yes

No

Chain of custody agrees with sample labels?

Yes

No

Samples in proper container/bottle?

Yes

No

Sample containers intact?

Yes

No

Sufficient sample volume for indicated test?

Yes

No

All samples received within holding time?

Yes

No

Reported field parameters measured:

Field

Lab

NA

Container/Temp Blank temperature in compliance?

Yes

No

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?

Yes

No

No VOA vials

Water - TOX containers have zero headspace?

Yes

No

No TOX containers

Water - pH acceptable upon receipt?

Yes

No

NPDES/CWA TCN interferences checked/treated in the field?

Yes

No

NA

Any No responses must be detailed below or on the COC.

CHAIN OF CUSTODY

pg. 1 of 7 Work Order # 13011093

TEKLAB, INC. 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client:	<u>EOI</u>
Address:	
City / State / Zip:	
Contact:	<u>Larry Rosen</u>
Phone:	
E-Mail:	
Fax:	

Samples on: <input checked="" type="checkbox"/> Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> No ice <u>14</u> °C
Preserved in: <input type="checkbox"/> Lab <input type="checkbox"/> Field FOR LAB USE ONLY
Lab Notes: * IMWP-W-SP-15-4.5 -AD not on COC but received run per Larry Rosen
Comments: <u>EFV 12/24/13</u>
teklab, Inc. Collinsville, IL

Project Name / Number		Sample Collector's Name		MATRIX							INDICATE ANALYSIS REQUESTED													
<u>Solutia 12950</u>		<u>D. Bouchard</u>		# and Type of Containers																				
Results Requested		Billing Instructions		UNPRES	HNO ₃	NaOH	H ₂ SO ₄	HCL	MeOH	NaHSO ₄	Other	Water	Drinking Water	Soil	Sludge	Sp. Waste	PCBs	b4	PCBs	b4	PCBs	b4	PCBs	b4
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge)		29.50																						
<input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)																								
Lab Use Only	Sample Identification	Date/Time Sampled																						
13011093-001	IMWP-VV-SP-01-1	1/23/0915	1																					
002	IMWP-VV-SP-01-6	1/23/0925	1																					
003	IMWP-VV-SP-01-9	1/23/0930	1																					
004	IMWP-VV-SP-02-1.5	1/23/0945	1																					
005	IMWP-VV-SP-02-5	1/23/0940	1																					
006	IMWP-VV-SP-02-9.5	1/23/0945	1																					
007	IMWP-W-SP-03-1	1/23/0845	1																					
008	IMWP-VV-SP-03-4.5	1/23/0850	1																					
009	IMWP-VV-SP-03-8.5	1/23/0855	1																					
010	IMWP-VV-SP-04-1.5	1/23/0950	1																					
Relinquished By				Date / Time				Received By				Date / Time												
<u>Derek Bouchard</u>				1/24/13 15:00				<u>K. Meyer</u>				1/24/13 15:20												
<u>K. Meyer</u>				1/24/13 16:00				<u>Larry P.</u>				1/24/13 16:00												

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

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CHAIN OF CUSTODY

pg. 2 of 7 Work Order # 13011093

TEKLAB, INC. 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client:	<u>EOI</u>	
Address:		
City / State / Zip:		
Contact:	<u>Larry Rosen</u>	Phone:
E-Mail:		
Fax:		

- Are these samples known to be involved in litigation? If yes, a surcharge will apply. Yes No
- Are these samples known to be hazardous? Yes No
- Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section. Yes No

Samples on: <input type="checkbox"/> Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> No ice _____ °C
Preserved in: <input type="checkbox"/> Lab <input type="checkbox"/> Field FOR LAB USE ONLY
Lab Notes:
Comments:

Project Name / Number		Sample Collector's Name						MATRIX		INDICATE ANALYSIS REQUESTED														
<u>Solutia/2950</u>		<u>D. Bouchard</u>						Water	Drinking Water	Soil	Sludge	Sp. Waste	PCBs by 8082	MS/MSD										
Results Requested		Billing Instructions													# and Type of Containers									
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other _____ <input type="checkbox"/> 3 Day (50% Surcharge)		<u>2950</u>						UNPRES	HNO ₃	NaOH	H ₂ SO ₄	HCL	MeOH	NaHSO ₄	Other									
Lab Use Only	Sample Identification	Date/Time Sampled																						
-01	IMWP-W-SP-04-45	1/23/0955						1								✓		✓						
-02	"-04-8"	1/23/1000						1								✓		✓						
-03	"-05-1.5"	1/23/1005						1								✓		✓						
-04	"-05-4"	1/23/1010						1								✓		✓						
-05	"-05-5.5"	1/23/1015						1								✓		✓						
-06	"-06-1"	1/23/1020						1								✓		✓						
-07	"-06-4"	1/23/1025						1								✓		✓						
-08	"-06-6.5"	1/23/1030						1								✓		✓						
-09	"-07-1.5"	1/23/1035						1								✓		✓						
-10	"-07-4"	1/23/1040						1								✓		✓	✓					
Relinquished By		Date / Time						Received By						Date / Time										
<u>Deneel Bouchard</u>		1/24/13 / 1500						<u>K. Keppler</u>						1/24/13 15:20										
<u>K. Keppler</u>		1/24/13 16:00						<u>Smig / R</u>						1/24/13 16:00										

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

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CHAIN OF CUSTODY

pg. 3 of 7 Work Order # 13011093

TEKLAB, INC. 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client: <u>E.O.I.</u>	Samples on: <input type="checkbox"/> Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> No Ice _____ °C
Address:	Preserved in: <input type="checkbox"/> Lab <input type="checkbox"/> Field FOR LAB USE ONLY
City / State / Zip:	Lab Notes:
Contact: <u>Larry Rosen</u> Phone: _____	Comments:
E-Mail: _____	Fax: _____

• Are these samples known to be involved in litigation? If yes, a surcharge will apply. Yes No

• Are these samples known to be hazardous? Yes No

• Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section. Yes No

Project Name / Number		Sample Collector's Name		MATRIX		INDICATE ANALYSIS REQUESTED														
<u>Solutia / 2950</u>		<u>D. Bouchard</u>		Water	Drinking Water	Soil	Sludge	Sp. Waste	PCBs	8082	8084	8086	8088	8090	8092	8094	8096	8098	8000	
<input checked="" type="checkbox"/> Results Requested <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other _____ <input type="checkbox"/> 3 Day (50% Surcharge)		Billing Instructions <u>2950</u>		# and Type of Containers	UNPRES	HNO ₃	NaOH	H ₂ SO ₄	HCL	MeOH	NaHSO ₄	Other								
Lab Use Only	Sample Identification	Date/Time Sampled																		
-021	" IMWP-VV-SP-07-7"	1/23/1045	1																	
-022	" -08-1.5"	1/23/1050	1																	
-023	" -08-4"	1/23/1055	1																	
-024	" -08-7"	1/23/1100	1																	
-025	" -09-1"	1/23/1305	1																	
-026	" -09-4"	1/23/1310	1																	
-027	" -09-7.5"	1/23/1315	1																	
-028	" -09-7.5-AD"	1/23/1200	1																	
-029	" -10-1"	1/23/1325	1																	
-030	" -10-5"	1/23/1330	1																	
Relinquished By			Date / Time			Received By			Date / Time											
<u>Dave Bouchard</u>			1/24/13 / 1500			<u>Krueger</u>			1/24/13 15:30											
<u>Krueger</u>			1/24/13 16:00			<u>Eric P.</u>			1/24/13 16:00											

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CHAIN OF CUSTODY

pg. 4 of 7 Work Order # 13011093

TEKLAB, INC. 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client:	<u>EOI</u>
Address:	
City / State / Zip:	
Contact:	<u>Larry Rosen</u>
E-Mail:	
Phone:	
Fax:	

Samples on: Ice Blue Ice No Ice 2-2 °C

Preserved in: Lab Field **FOR LAB USE ONLY**

Lab Notes:

Comments:

- Are these samples known to be involved in litigation? If yes, a surcharge will apply. Yes No
- Are these samples known to be hazardous? Yes No
- Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section. Yes No

Project Name / Number		Sample Collector's Name		MATRIX	INDICATE ANALYSIS REQUESTED													
<u>Solutia /2950</u>		<u>D. Bouchard</u>			Water	Drinking Water	Soil	Sludge	Sp. Waste	PCB5 by 8082	NSF/MSD							
Results Requested		Billing Instructions		# and Type of Containers	UNPRES	HNO ₃	NaOH	H ₂ SO ₄	HCL	MeOH	NaHSO ₄	Other						
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other _____ <input type="checkbox"/> 3 Day (50% Surcharge)		<u>2950</u>																
Lab Use Only	Sample Identification	Date/Time Sampled																
-031	IMWP-VV-SP-10-9'	1/23/1335	1											✓	✓			
-032	" -10-9'-AD	1/23/1305	1											✓	✓			
-033	" -11-1'	1/23/1345	1											✓	✓			
-034	" -11-4.5'	1/23/1350	1											✓	✓			
-035	" -11-8'	1/23/1355	1											✓	✓			
-036	" -12-1.5'	1/23/1405	1											✓	✓			
-037	" -12-4'	1/23/1410	1											✓	✓			
-038	" -12-8'	1/23/1415	1											✓	✓			
-039	" -13-1.5'	1/24/1000	1											✓	✓			
-040	" -13-4.5'	1/24/1005	1											✓	✓			
Relinquished By			Date / Time			Received By			Date / Time									
<u>Derek Bouchard</u>			<u>1/24/13 / 1500</u>			<u>Kroger</u> <u>Erin P.</u>			<u>1/24/13 15:20</u>									
			<u>1/24/13 16:00</u>						<u>1/24/13 16:00</u>									

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CHAIN OF CUSTODY

pg. 5 of 7 Work Order # 1301093

TEKLAB, INC. 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client:	<u>E.O.I.</u>
Address:	
City / State / Zip:	
Contact:	<u>Larry Rosen</u>
Phone:	
E-Mail:	
Fax:	

Samples on: <input type="checkbox"/> Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> No Ice _____ °C
Preserved in: <input type="checkbox"/> Lab <input type="checkbox"/> Field FOR LAB USE ONLY
Lab Notes:
Comments:

- Are these samples known to be involved in litigation? If yes, a surcharge will apply. Yes No
- Are these samples known to be hazardous? Yes No
- Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section. Yes No

Project Name / Number		Sample Collector's Name		MATRIX		INDICATE ANALYSIS REQUESTED															
<u>Solutia/2950</u>		<u>D. Bouchard</u>		Water	Drinking Water	Soil	Sludge	Sp. Waste													
Results Requested <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other _____ <input type="checkbox"/> 3 Day (50% Surcharge)		Billing Instructions <u>2950</u>		# and Type of Containers	UNPRES	HNO ₃	NaOH	H ₂ SO ₄	HCL	MeOH	NaHSO ₄	Other									
-041	IMWP-VV-SP-13-9'	1/24/1010	I											✓			✓				
-042	IMWP-VU-SP-14-1'	1/24/1015	I											✓		✓					
-043	IMWP-VU-SP-14-5'	1/24/1020	I											✓		✓					
-044	" -14-10'	1/24/1025	I											✓		✓					
-045	" -15-1.5'	1/23/1435	I											✓		✓					
-046	" -11-8-AD	1/23/1210	I											✓		✓					
-047	" -15-4.5'	1/23/1440	I											✓		✓					
-048	" -15-9'	1/23/1445	I											✓		✓					
-049	-16-1'	1/24/1035	I											✓		✓					
-050	-16-1-AD	1/24/1030	I											✓		✓					
Relinquished By			Date / Time			Received By			Date / Time												
<u>Denee Bouchard</u>			1/24/13 / 1500			<u>Karen</u>			1/24/13 15:20												
<u>KMoyen</u>			1/24/13 16:00			<u>Andy R</u>			1/24/13 16:00												

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CHAIN OF CUSTODY

pg. 6 of 7 Work Order # 13011093

TEKLAB, INC. 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client:	<u>EOI</u>	Samples on: <input type="checkbox"/> Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> No Ice _____ °C
Address:		Preserved in: <input type="checkbox"/> Lab <input type="checkbox"/> Field FOR LAB USE ONLY
City / State / Zip:		Lab Notes:
Contact:	<u>Larry Rosen</u>	Comments: * not found, but did receive 1MWP-VV-SP-10 ¹ 10g in per COC per Larry Rosen <i>ETP 1/24/13</i>
E-Mail:		
Phone:		
Fax:		

• Are these samples known to be involved in litigation? If yes, a surcharge will apply. Yes No
 • Are these samples known to be hazardous? Yes No
 • Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section. Yes No

Project Name / Number		Sample Collector's Name		# and Type of Containers	MATRIX						INDICATE ANALYSIS REQUESTED																	
<u>Solutia / 2950</u>		<u>D. Bouchard</u>			UNPRES	HNO ₃	NaOH	H ₂ SO ₄	HCL	MeOH	NaHSO ₄	Other	Water	Drinking Water	Soil	Sludge	Sp. Waste	PCBs by 8082	MS/MSD									
<input checked="" type="checkbox"/> Results Requested <input type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)		Billing Instructions <u>2950</u>																										
Lab Use Only	Sample Identification	Date/Time Sampled																										
-051	1MWP-VV-SP-16-5	1/24/1040		1												✓	✓											
-052	" -16-10*	1/24/1045		1												✓	✓											
-053	" -17-1.5	1/24/1055		1												✓	✓											
-054	" -17-5	1/24/1100		1												✓	✓											
-055	" -17-10	1/24/1105		1												✓	✓											
-056	" -18-1	1/24/1115		1												✓	✓											
-057	" -18-5	1/24/1120		1												✓	✓											
-058	" -18-10	1/24/1125		1												✓	✓											
-059	" -19-1	1/24/1135		1												✓	✓											
-060	" -19-4,5	1/24/1140		1												✓	✓	✓										
Relinquished By				Date / Time													Received By								Date / Time			
<u>Dene Bouchard</u>				1/24/13 15:00													<u>Krejci</u>								1/24/13 15:20			
<u>Krejci</u>				1/24/13 16:00													<u>Enteg. Per</u>								1/24/13 16:00			

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CHAIN OF CUSTODY

pg. 7 of 7 Work Order # 13011093

TEKLAB, INC. 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client: <u>E.O.I.</u>	Samples on: <input type="checkbox"/> Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> No Ice _____ °C
Address:	Preserved in: <input type="checkbox"/> Lab <input type="checkbox"/> Field FOR LAB USE ONLY
City / State / Zip:	Lab Notes:
Contact: <u>Larry Rosen</u> Phone: _____	Comments:
E-Mail: _____	Fax: _____

• Are these samples known to be involved in litigation? If yes, a surcharge will apply. Yes No

• Are these samples known to be hazardous? Yes No

• Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section. Yes No

Project Name / Number		Sample Collector's Name		MATRIX		INDICATE ANALYSIS REQUESTED														
<u>Solutia/2950</u>		<u>D. Bouchard</u>		Water	Drinking Water	Soil	Sludge	Sp. Waste	PCBs	8082	by									
Results Requested		Billing Instructions		# and Type of Containers	UNPRES	HNO ₃	NaOH	H ₂ SO ₄	HCL	MeOH	NaHSO ₄	Other								
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge)		2950																		
<input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)																				
Lab Use Only	Sample Identification	Date/Time Sampled																		
001	IMW# -VV-SP-19-9.5	1/24/1145		1																
002	" " -19-9.5-AD	1/24/1200		1																
003	11 " -15-4.5AD	1/24/13																		
Relinquished By			Date / Time	Received By			Date / Time													
<u>Dave Bouchard</u>			1/24/13 15:00	<u>Karen</u>			1/24/13 15:20													
<u>Karen</u>			1/24/13 16:00	<u>Gary P.</u>			1/24/13 16:00													

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